

137
833

3700
1-61

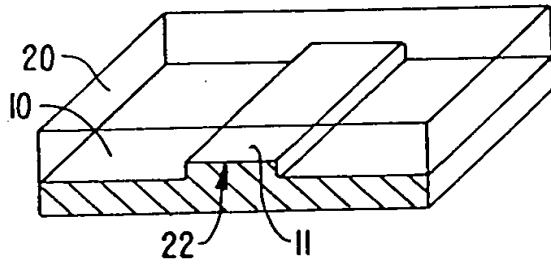


FIG. 1.

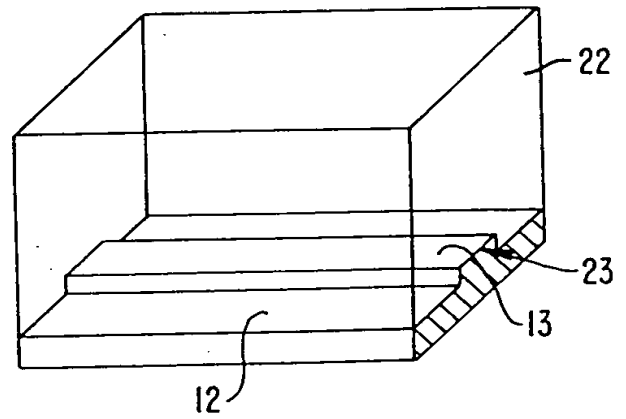


FIG. 2.

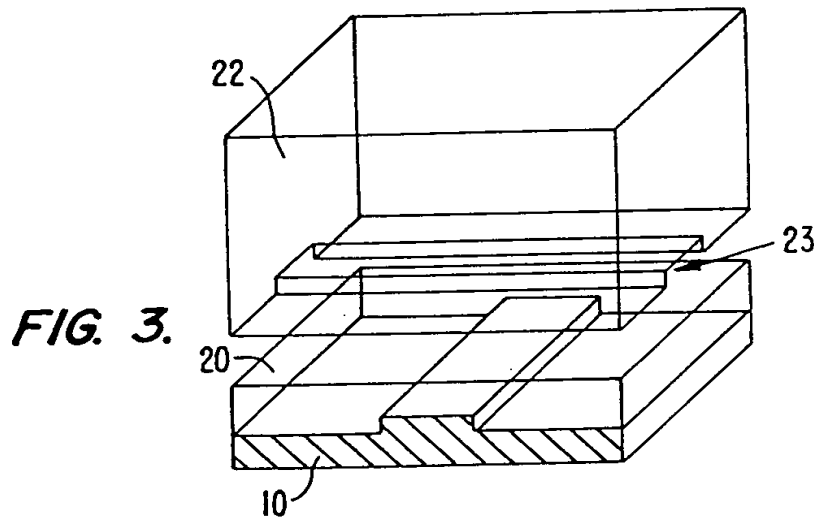


FIG. 3.

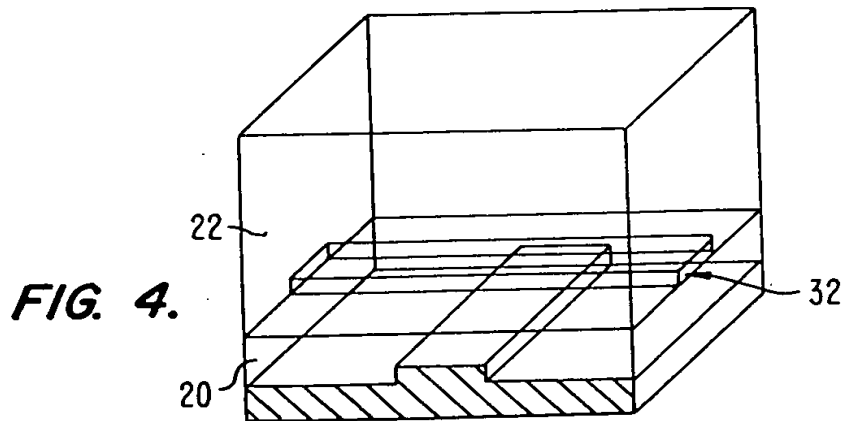


FIG. 4.

FIG. 1

FIG. 5.

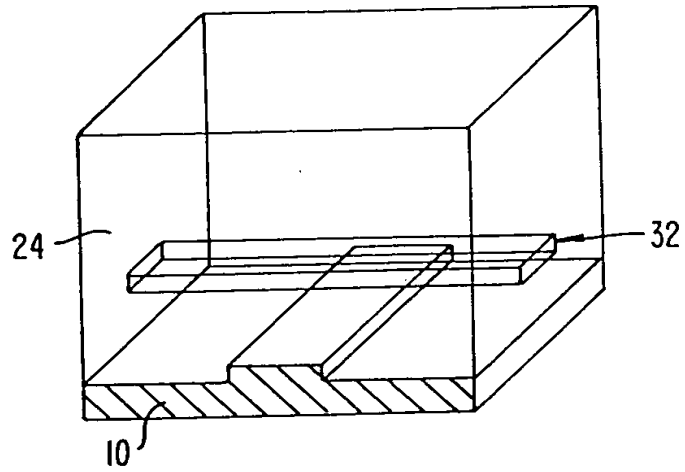


FIG. 6.

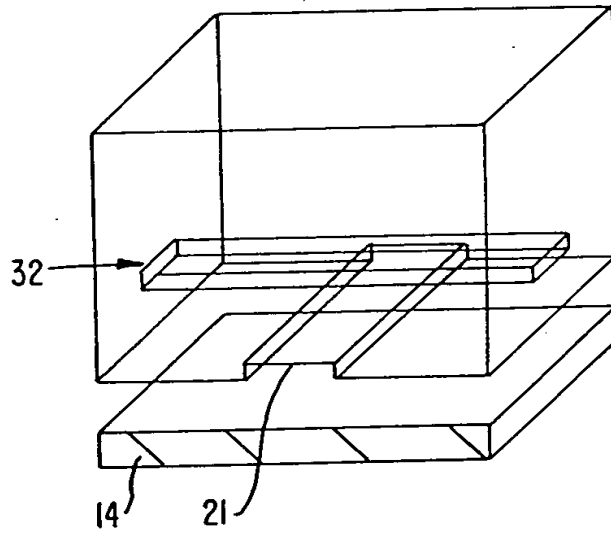
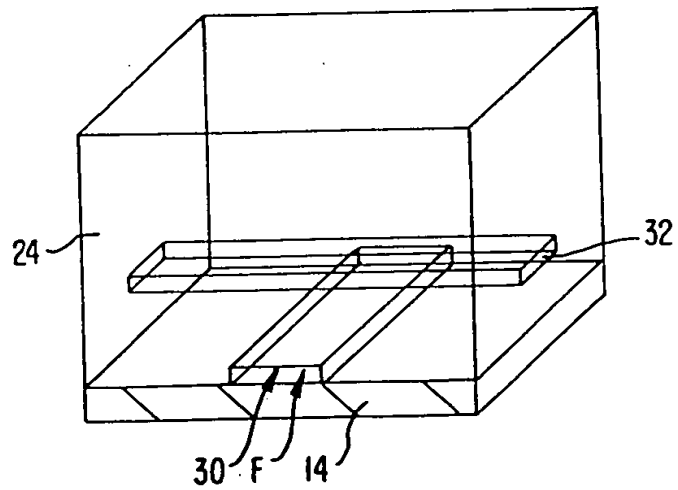


FIG. 7A.



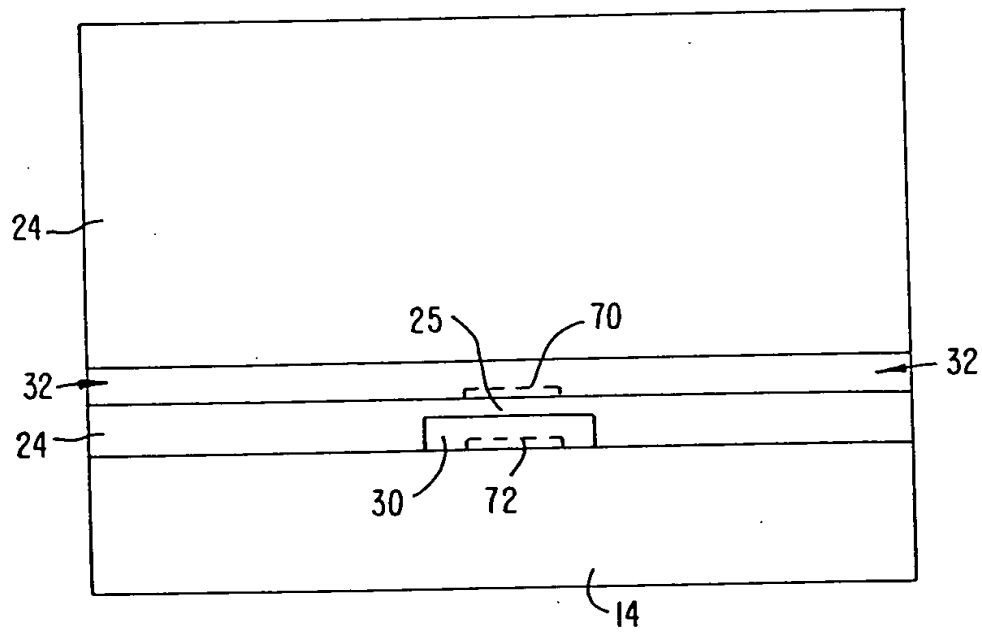


FIG. 7B.

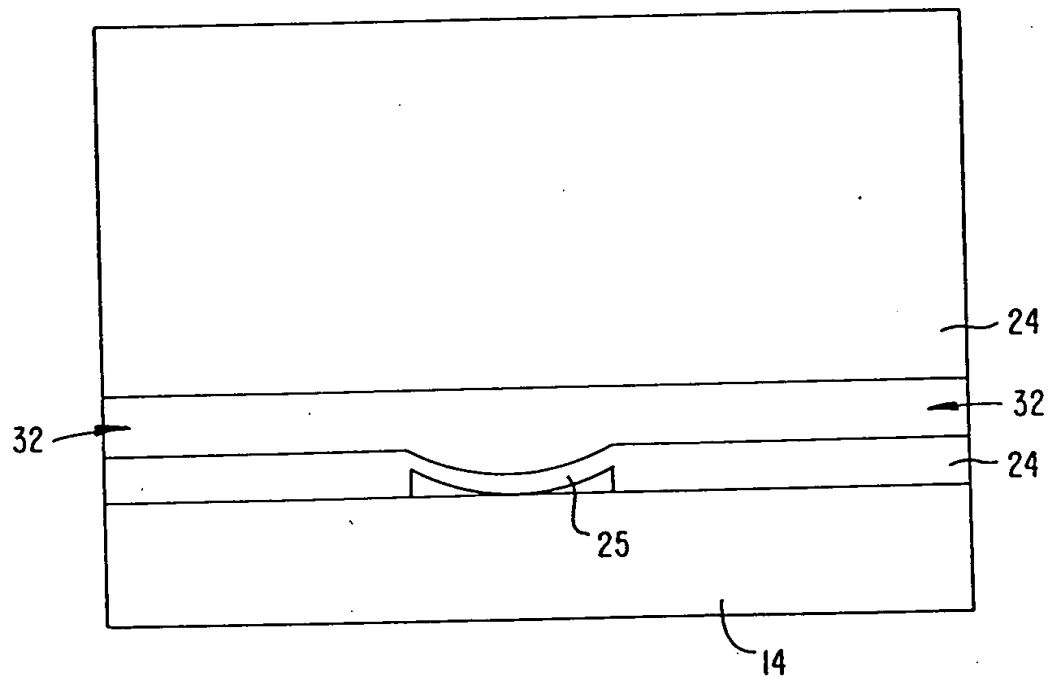


FIG. 7H.

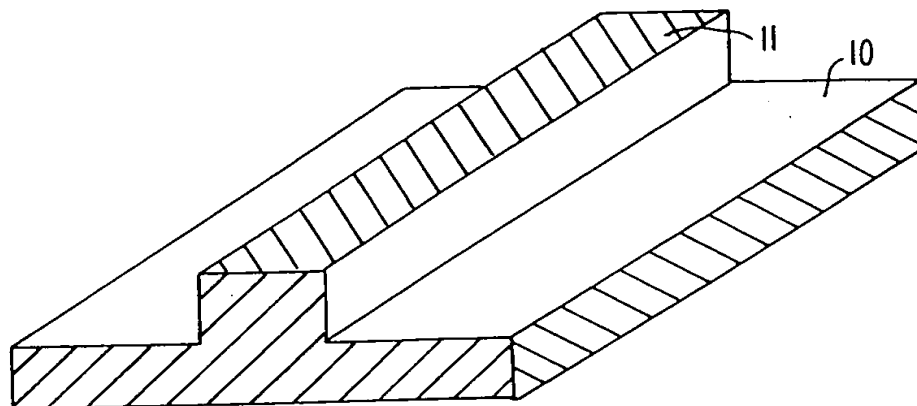


FIG. 7C.

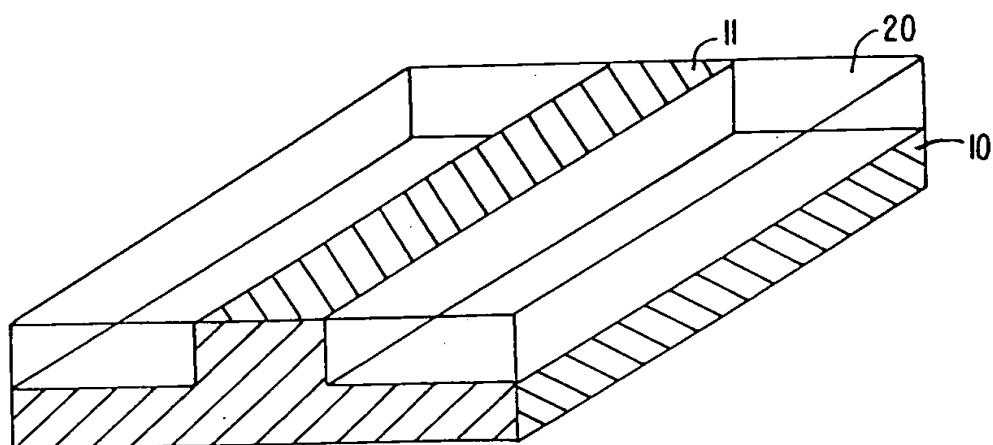


FIG. 7D.

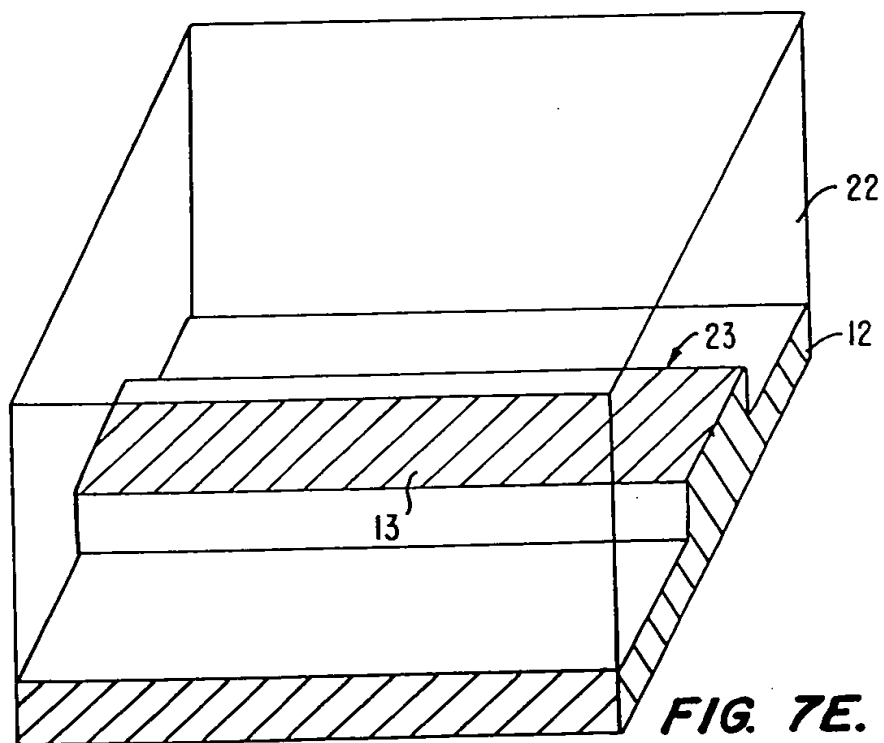


FIG. 7E.

FIG. 7C

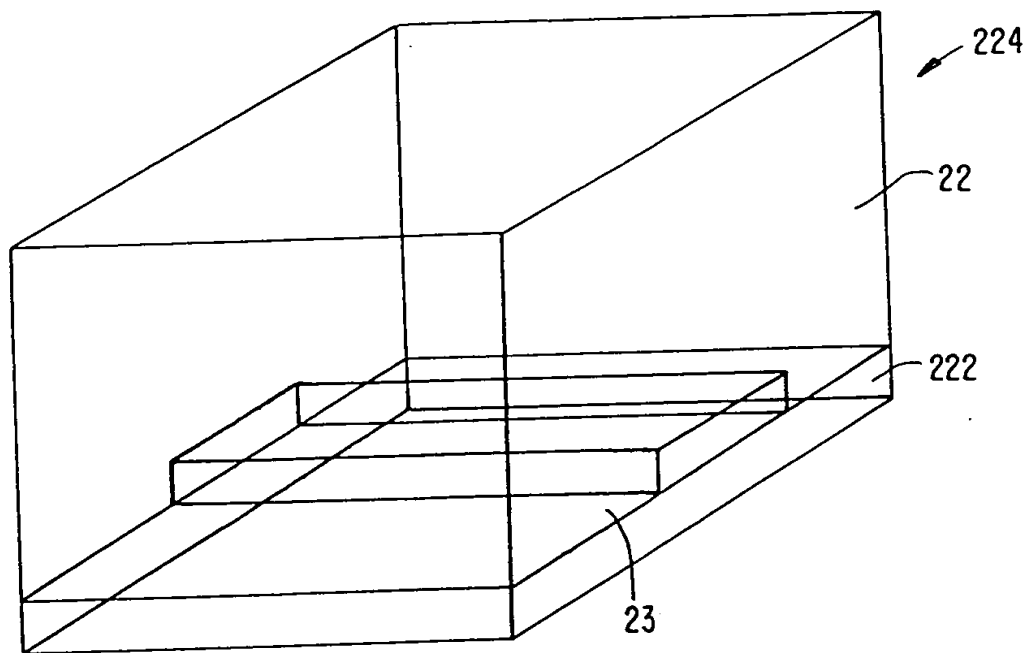


FIG. 7F.

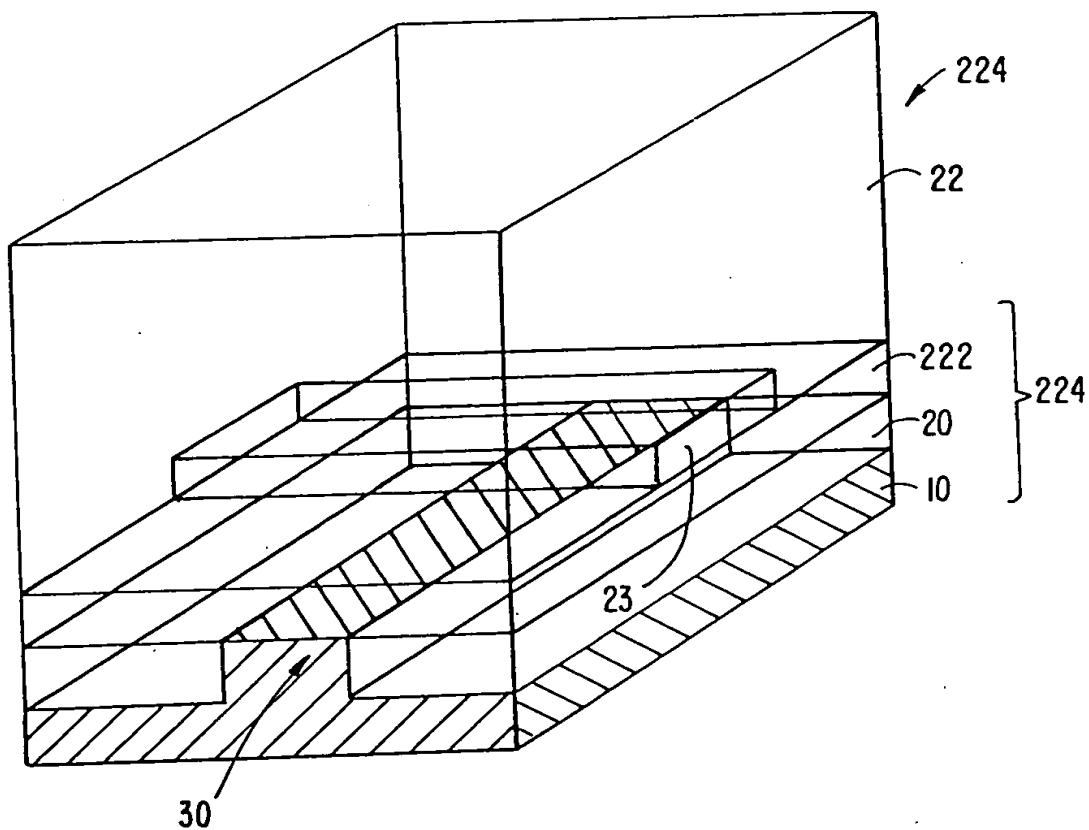


FIG. 7G.

FIG. 8.

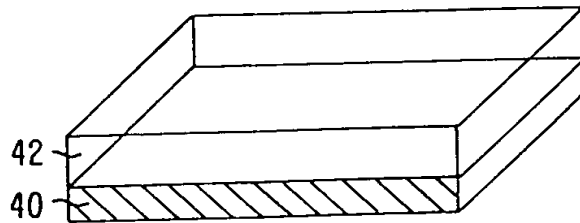


FIG. 9.

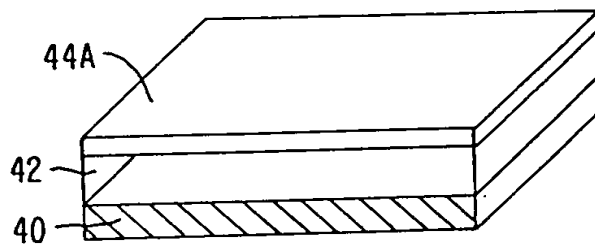


FIG. 10.

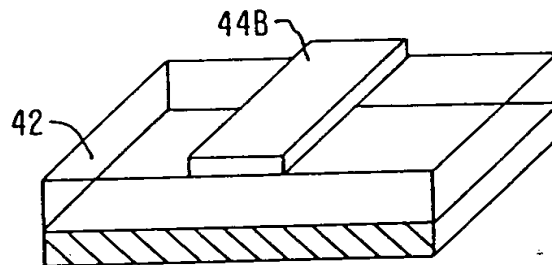


FIG. 11.

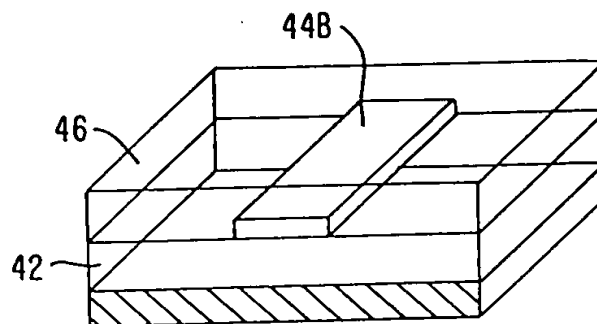


FIG. 12

FIG. 12.

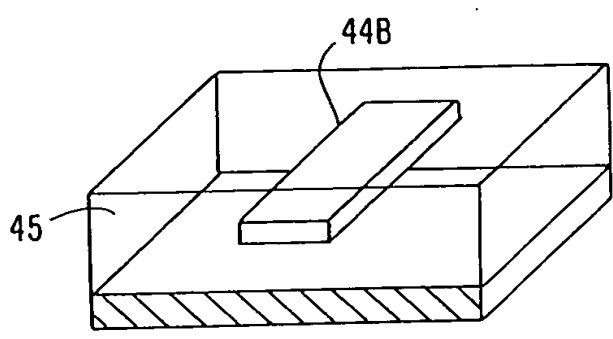


FIG. 13.

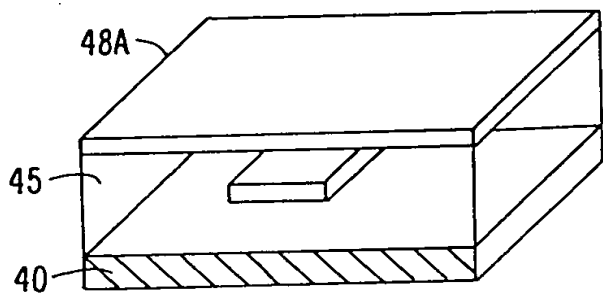


FIG. 14.

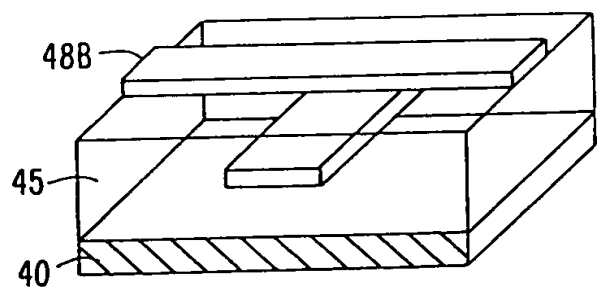


FIG. 15.

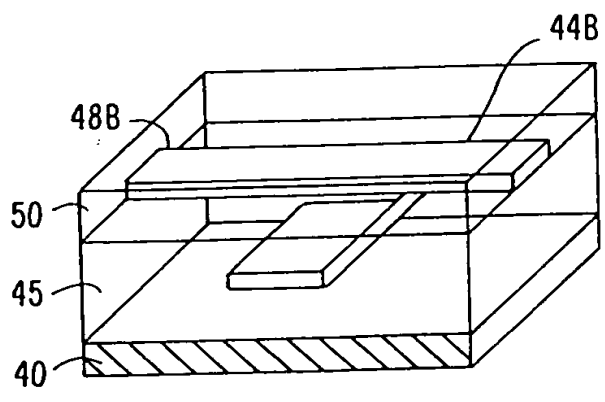


FIG. 16.

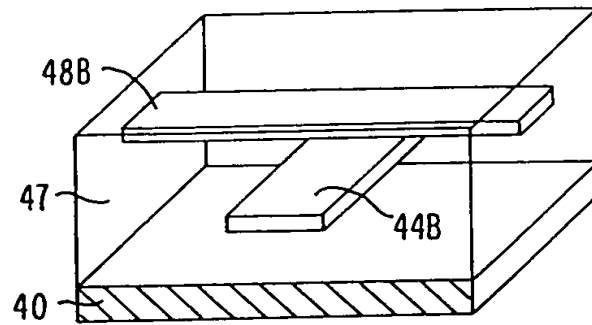


FIG. 17.

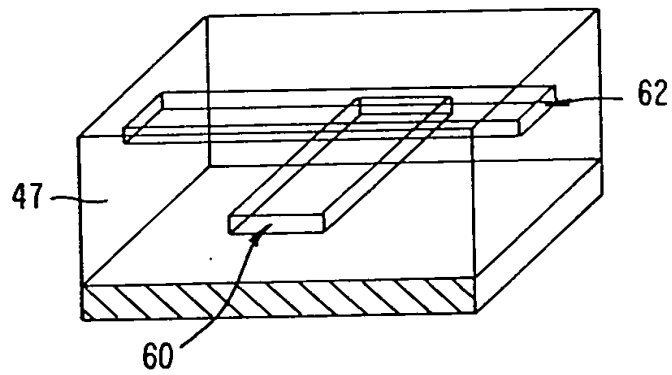
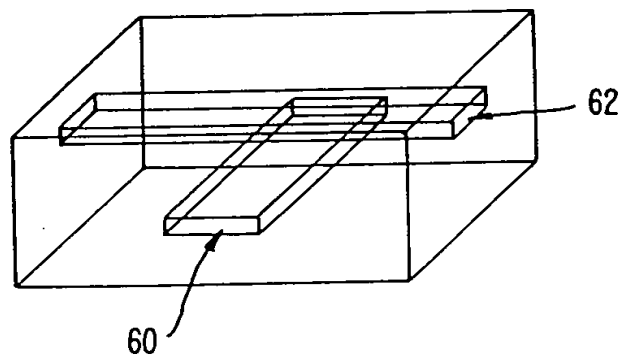


FIG. 18.



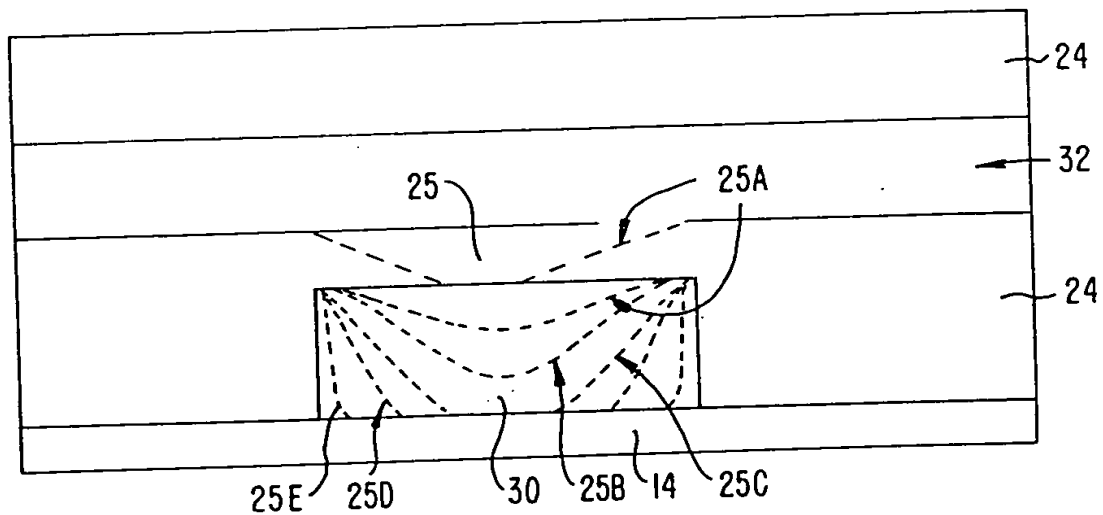


FIG. 19.

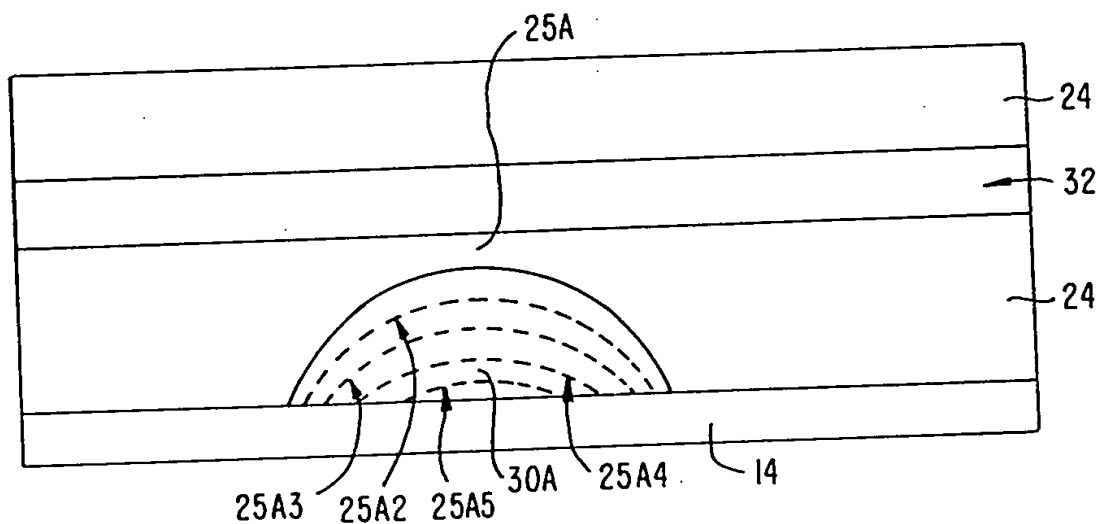
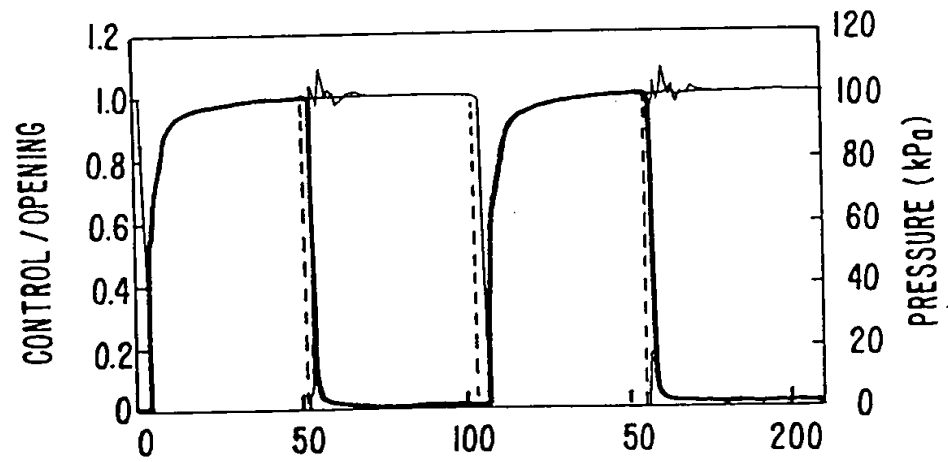
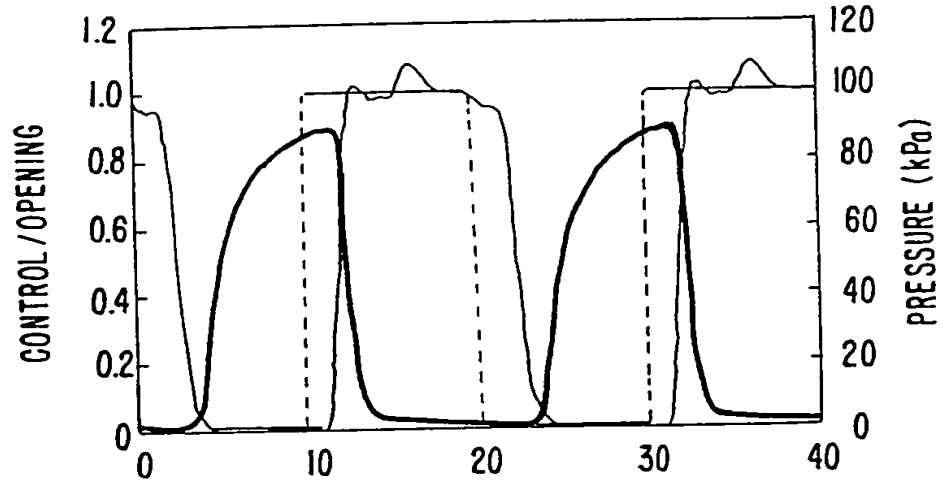


FIG. 20.

10 Hz
 --- CONTROL — VALVE OPENING — PRESSURE



50 Hz



100 Hz

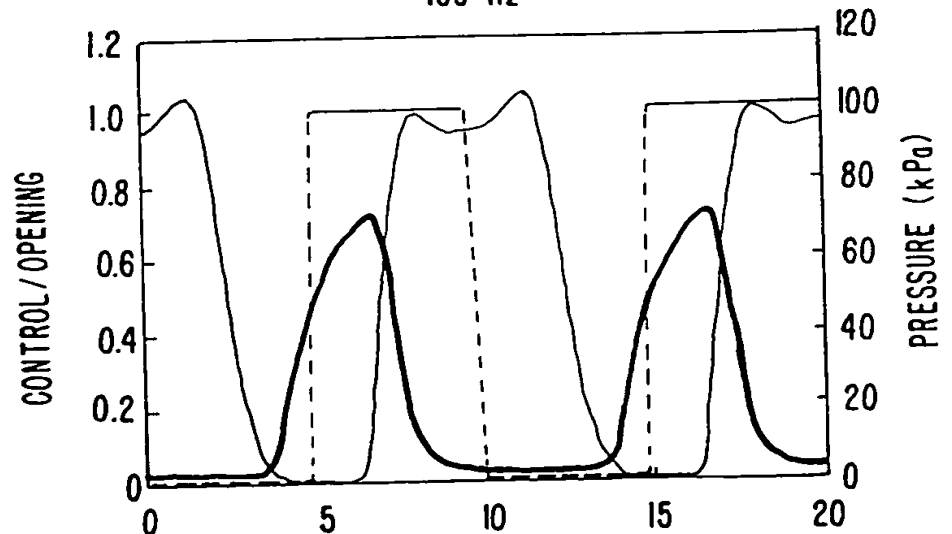


FIG. 22.

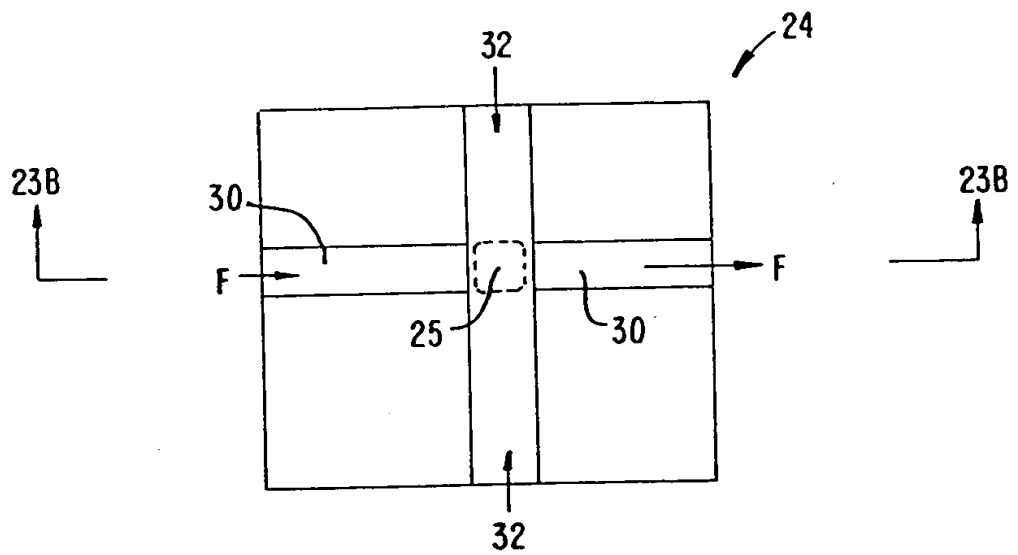


FIG. 23A.

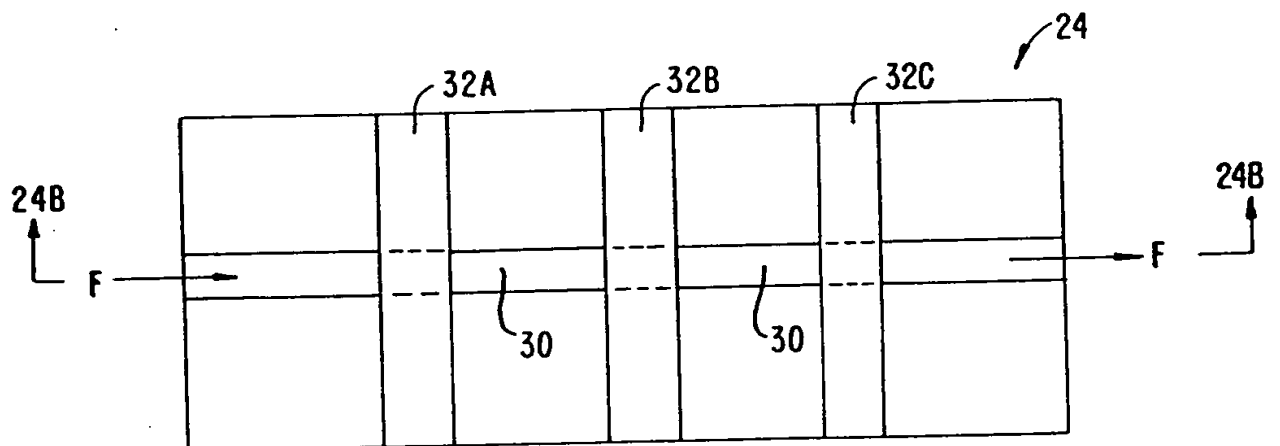


FIG. 24A.

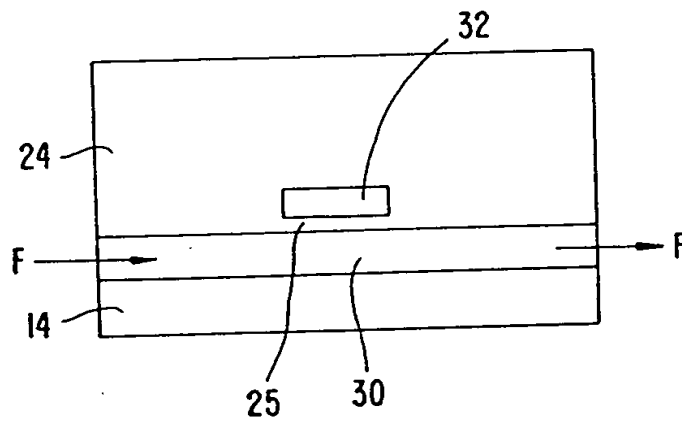


FIG. 23B.

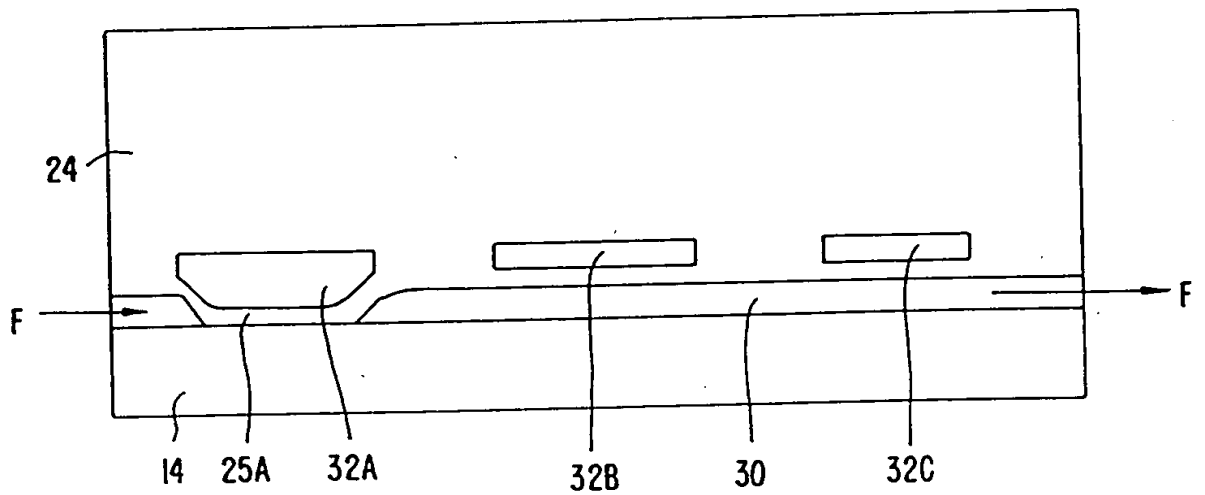


FIG. 24B.

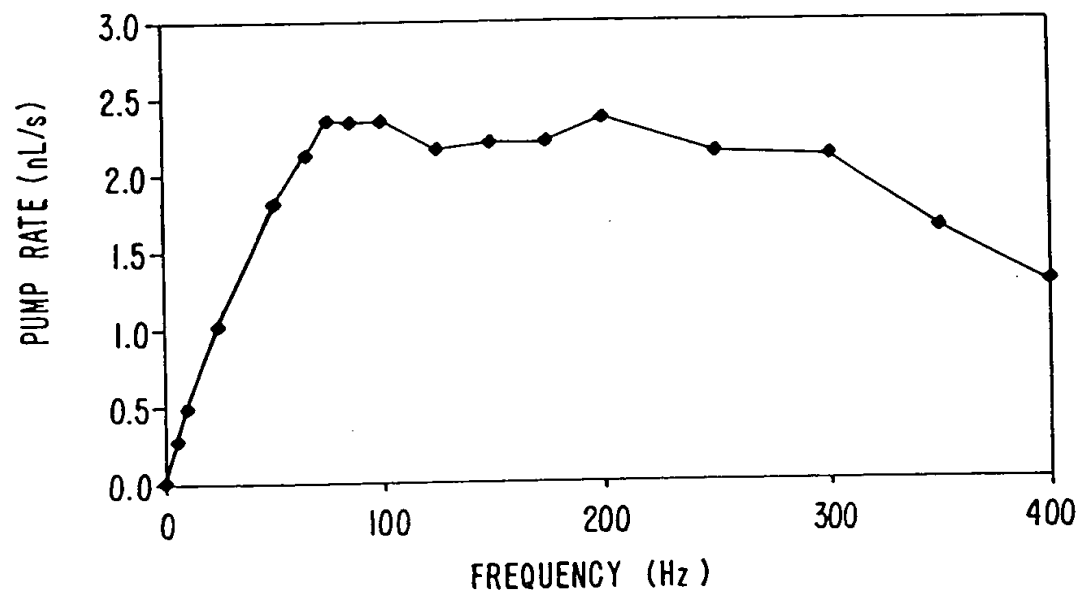


FIG. 25.

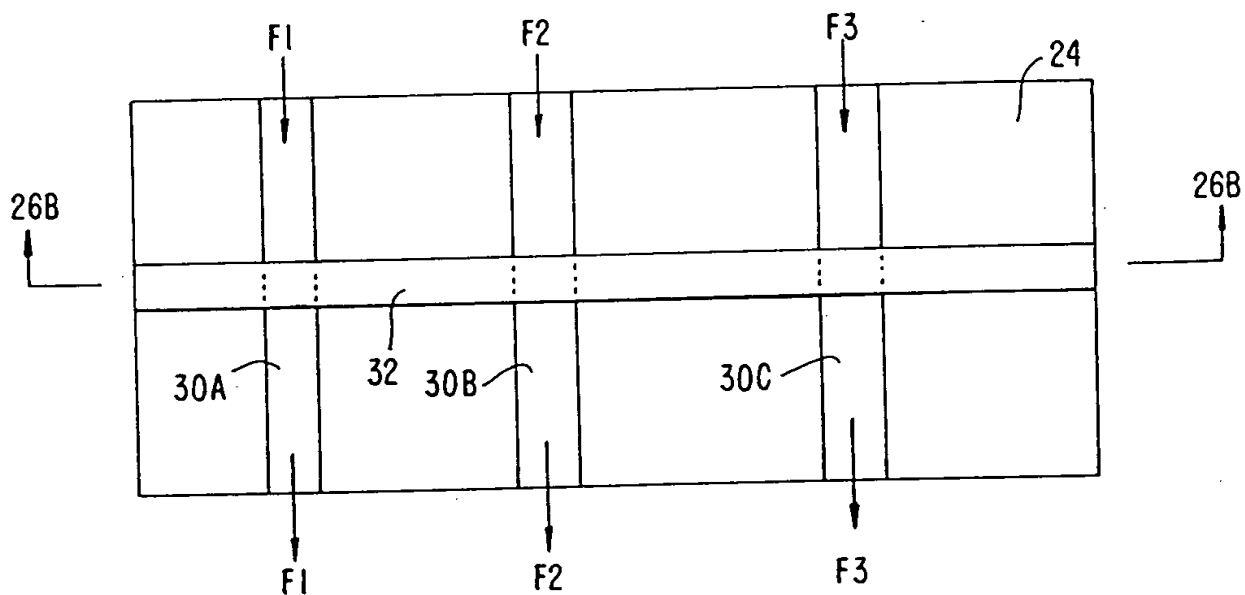


FIG. 26A.

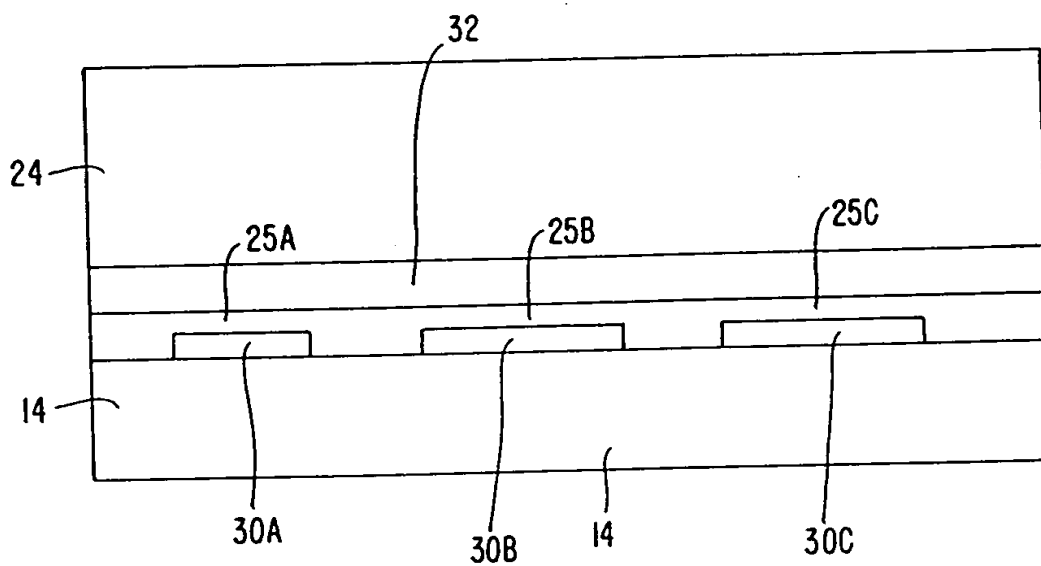


FIG. 26B.

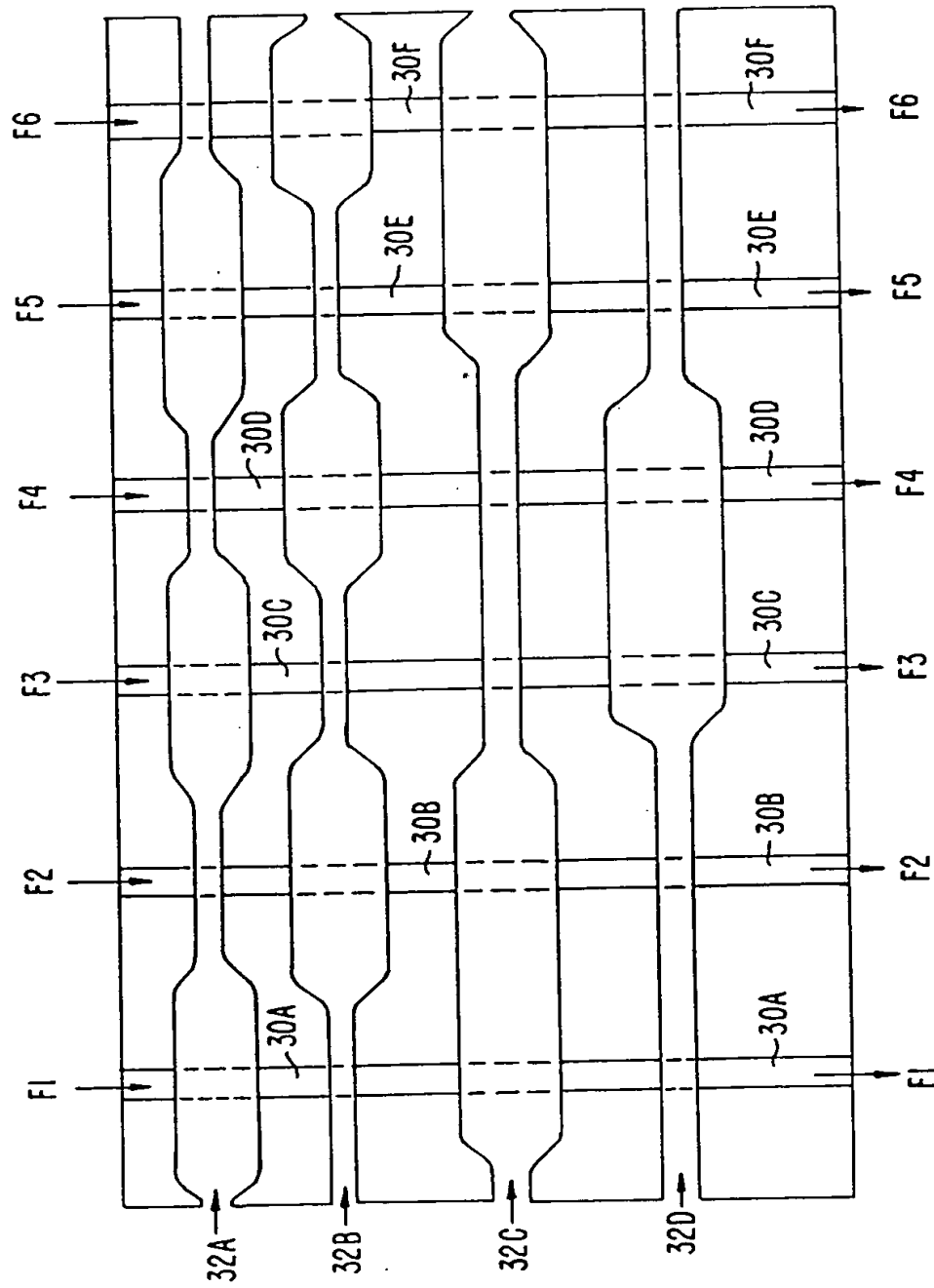


FIG. 27.

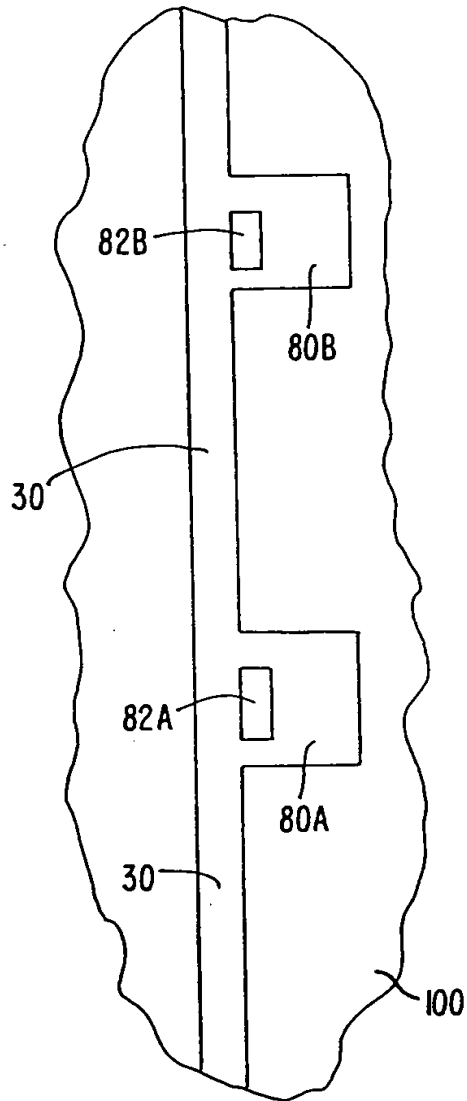


FIG. 28A.

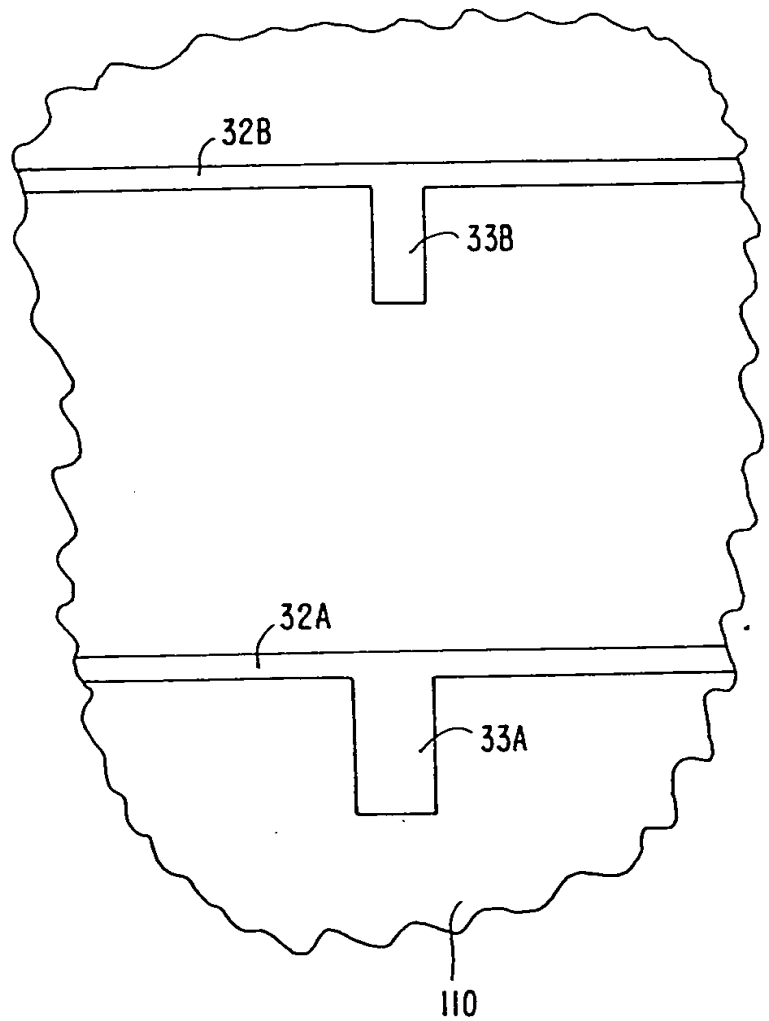


FIG. 28B.

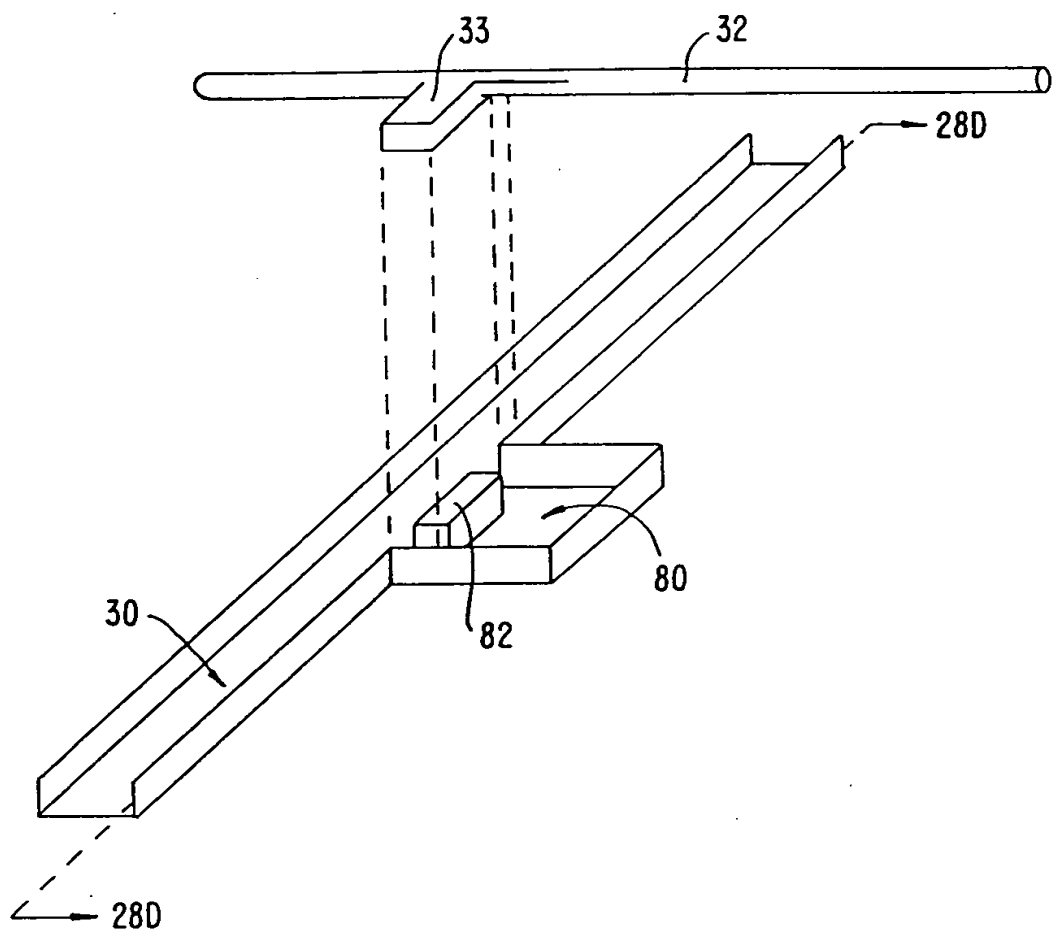


FIG. 28C.

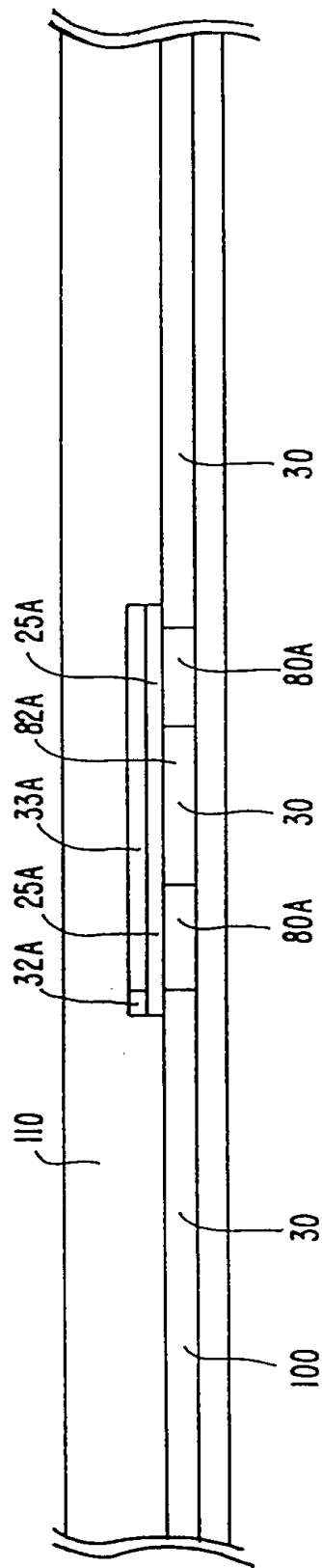


FIG. 28D.

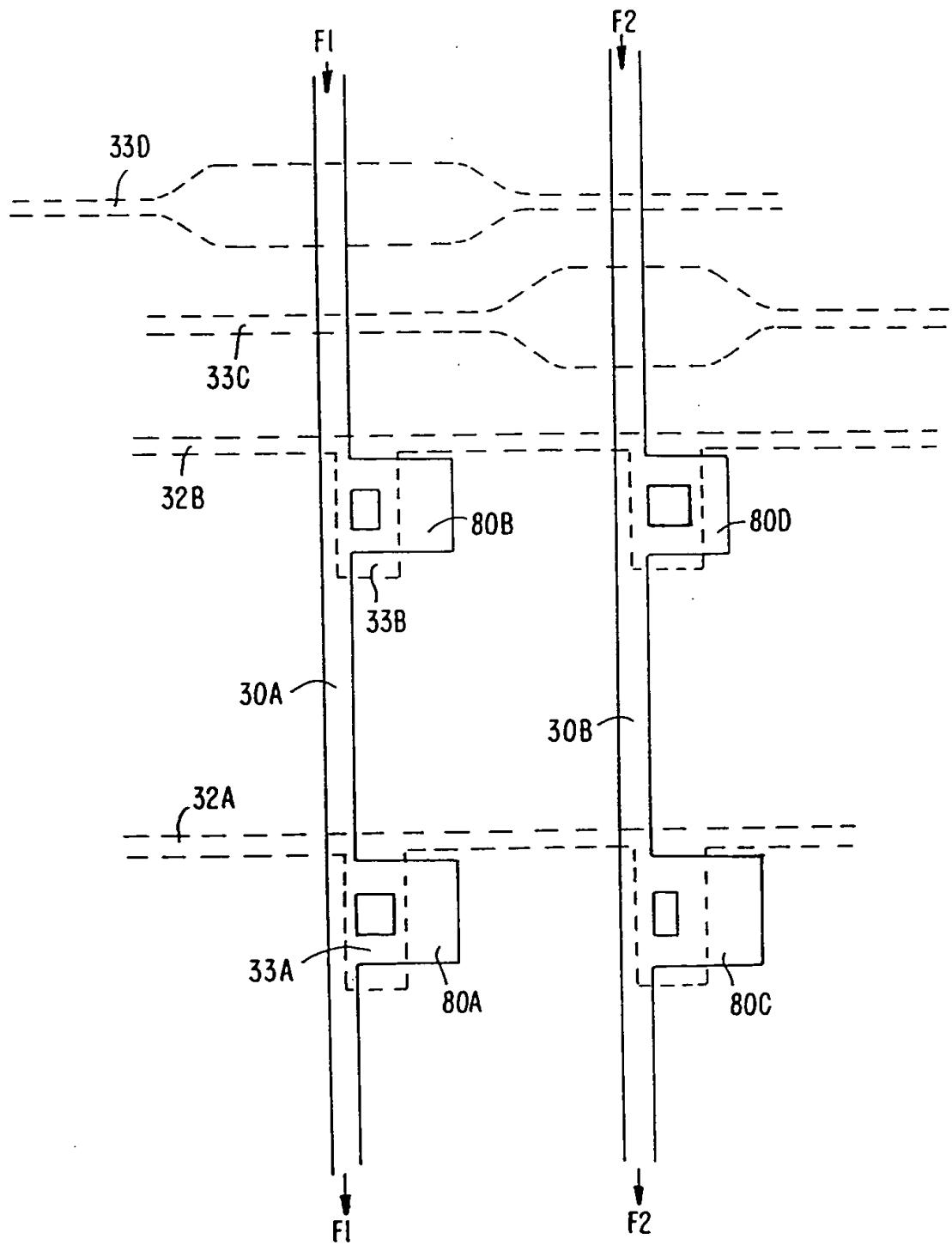


FIG. 29.

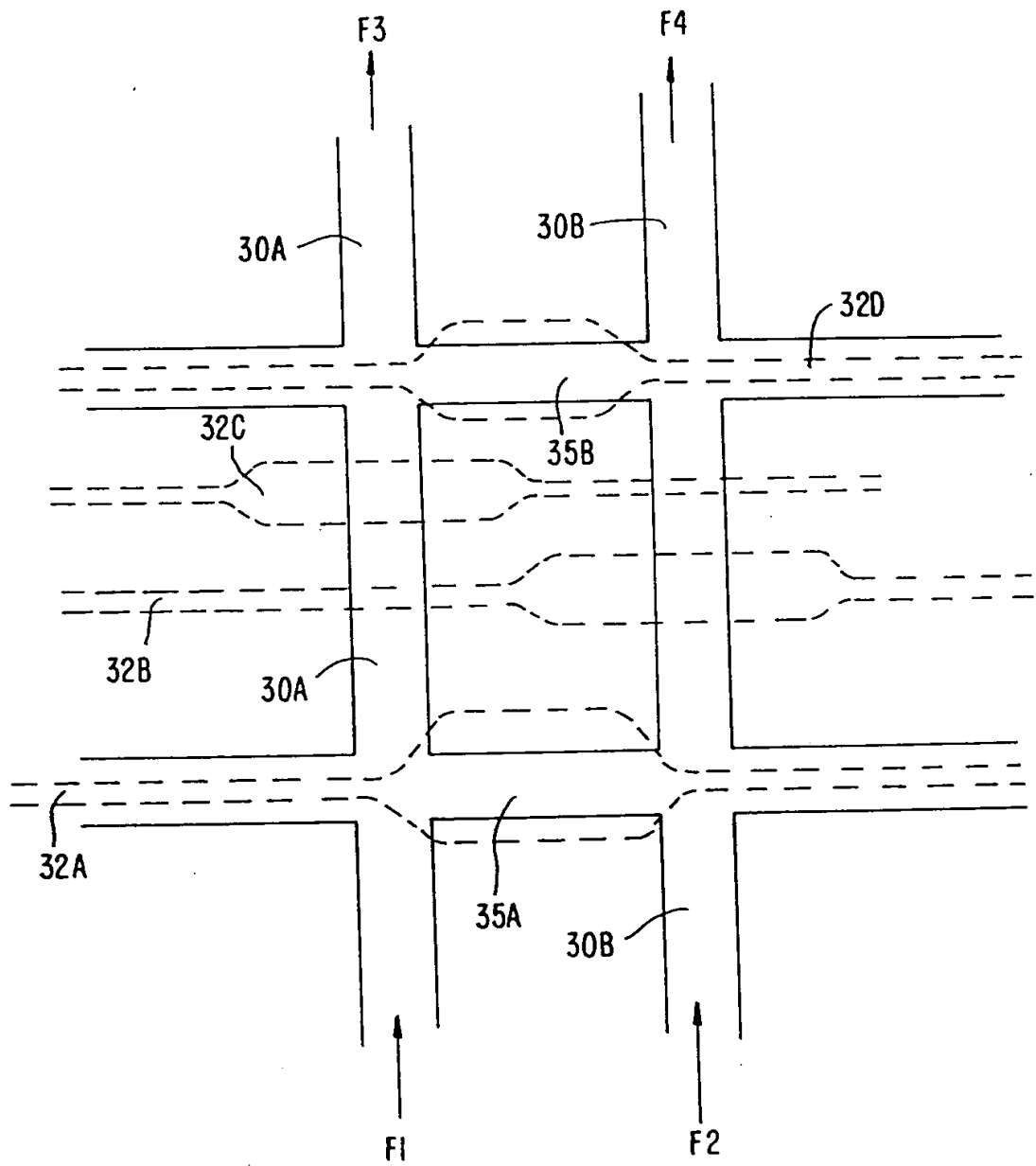


FIG. 30.

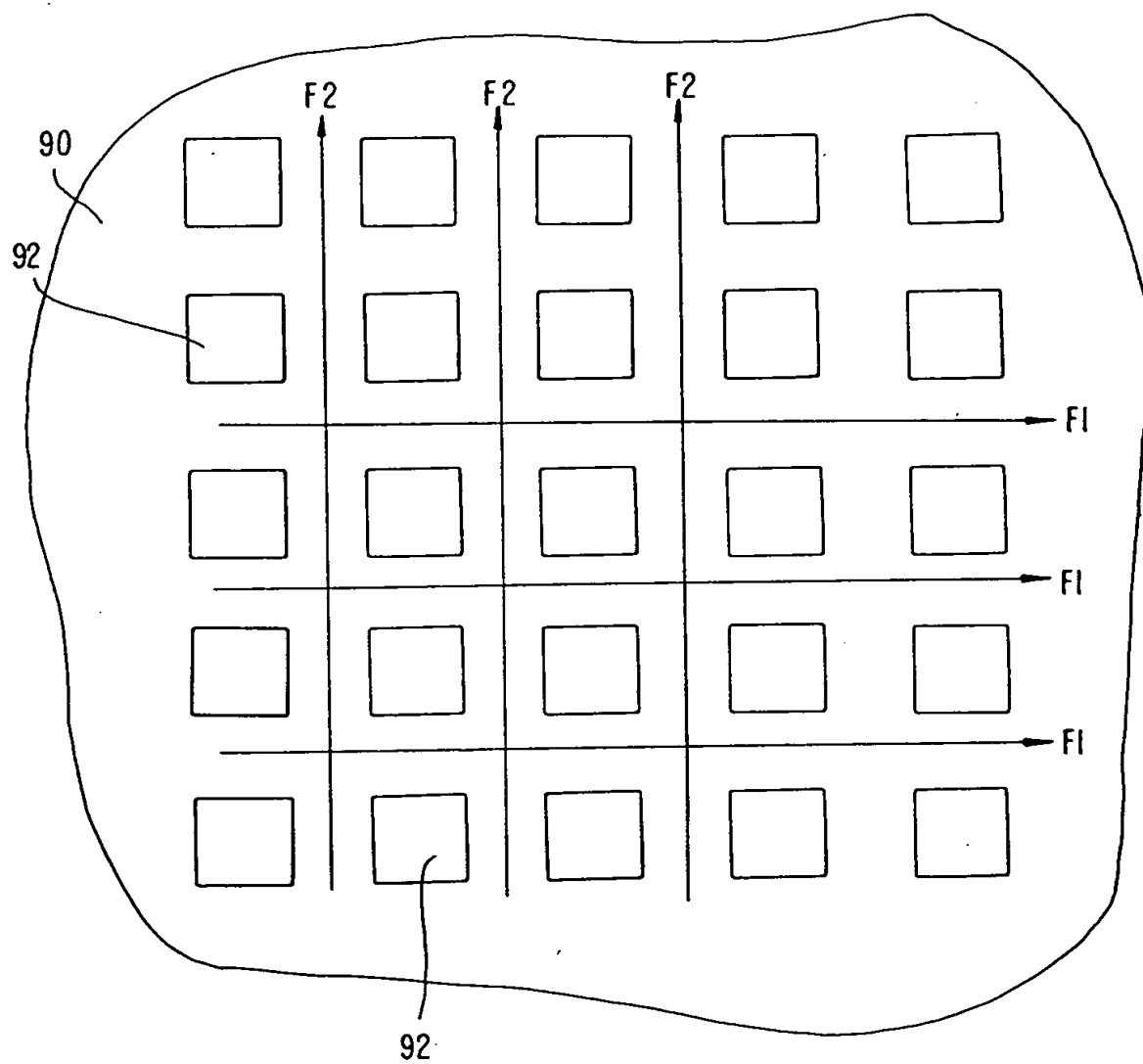


FIG. 31A.

FIG. 3IB

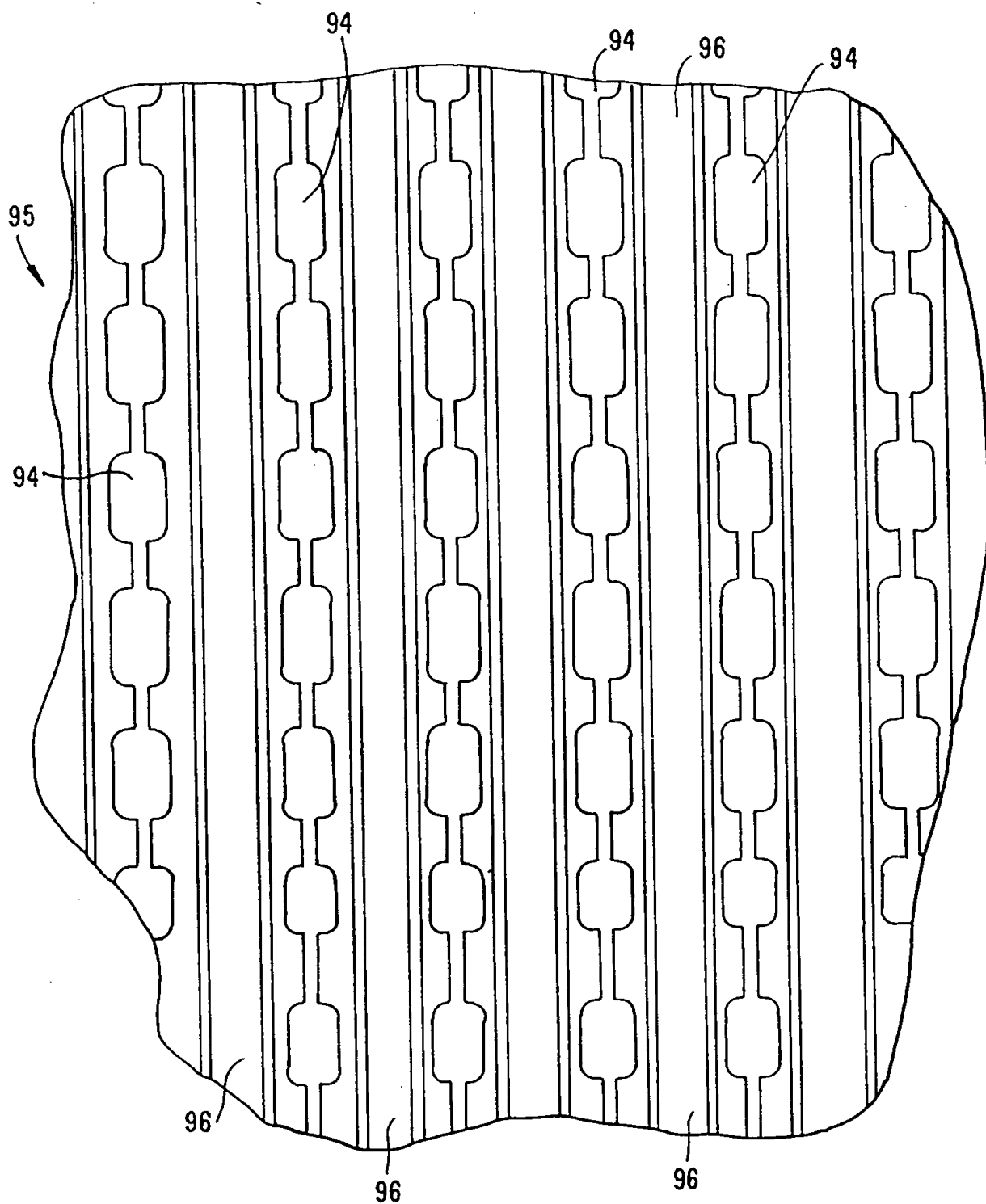


FIG. 3IB.

FIG. 31C

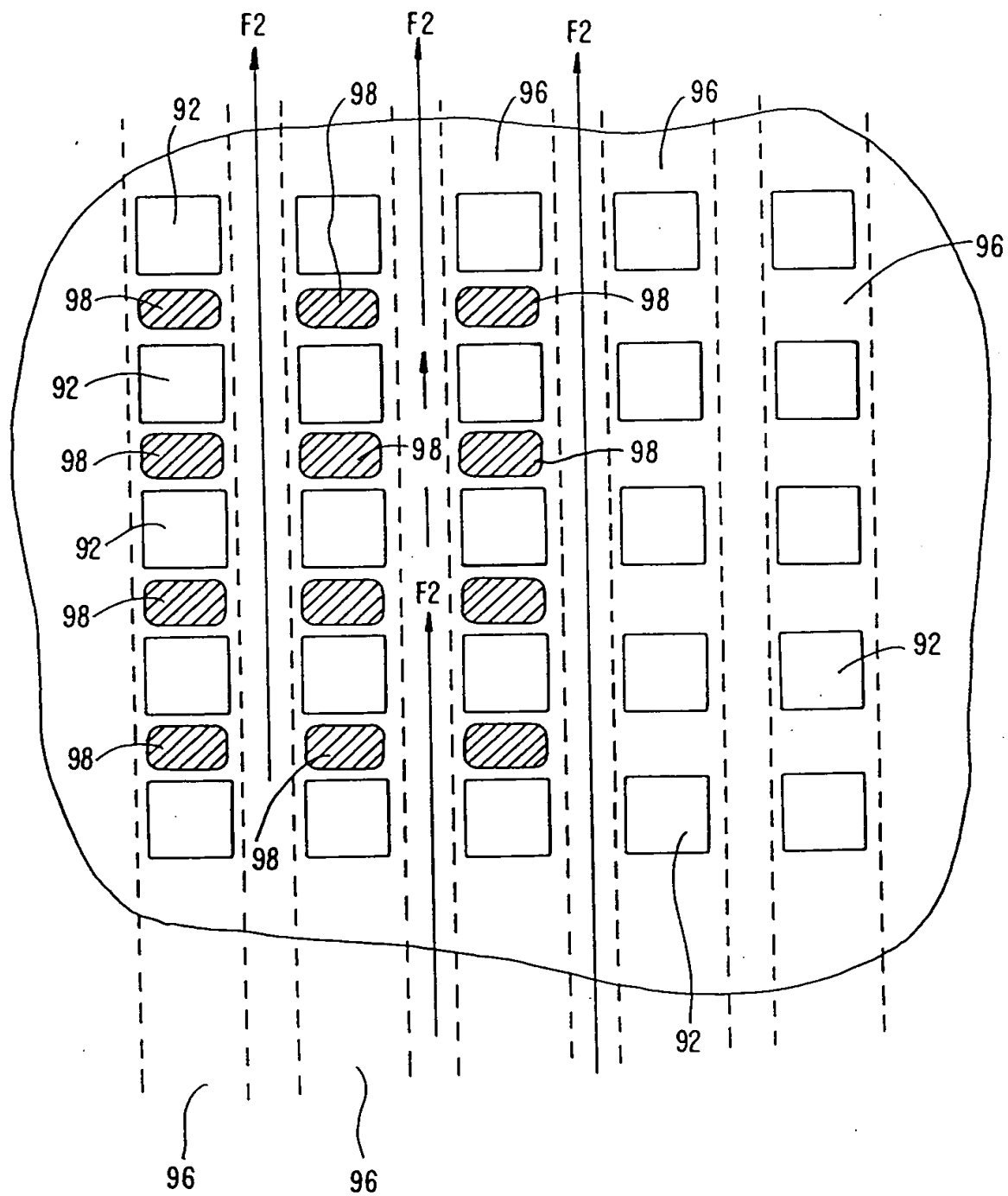


FIG. 31C.

Pat. 5,062,600

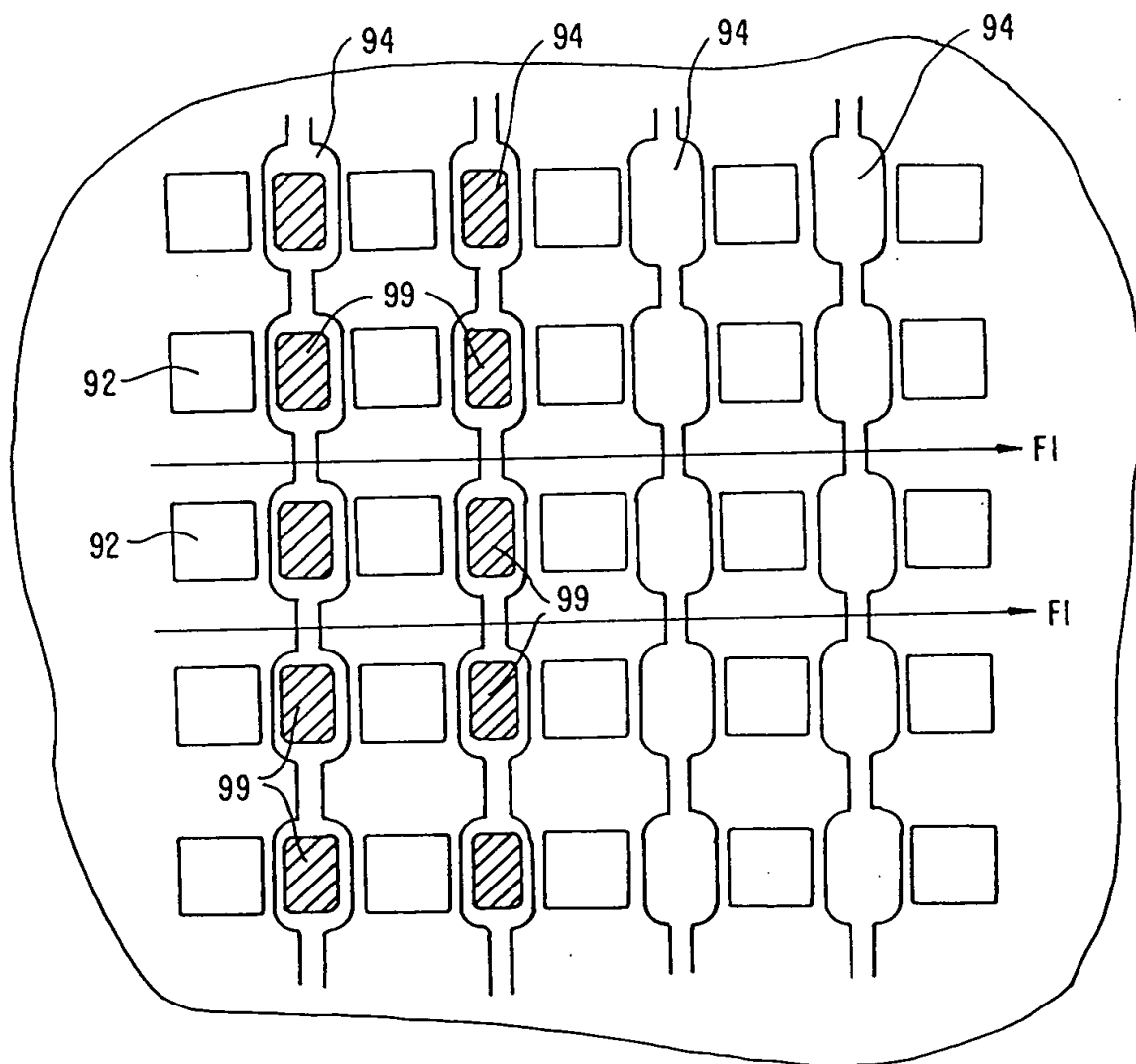


FIG. 31D.

FIG. 32

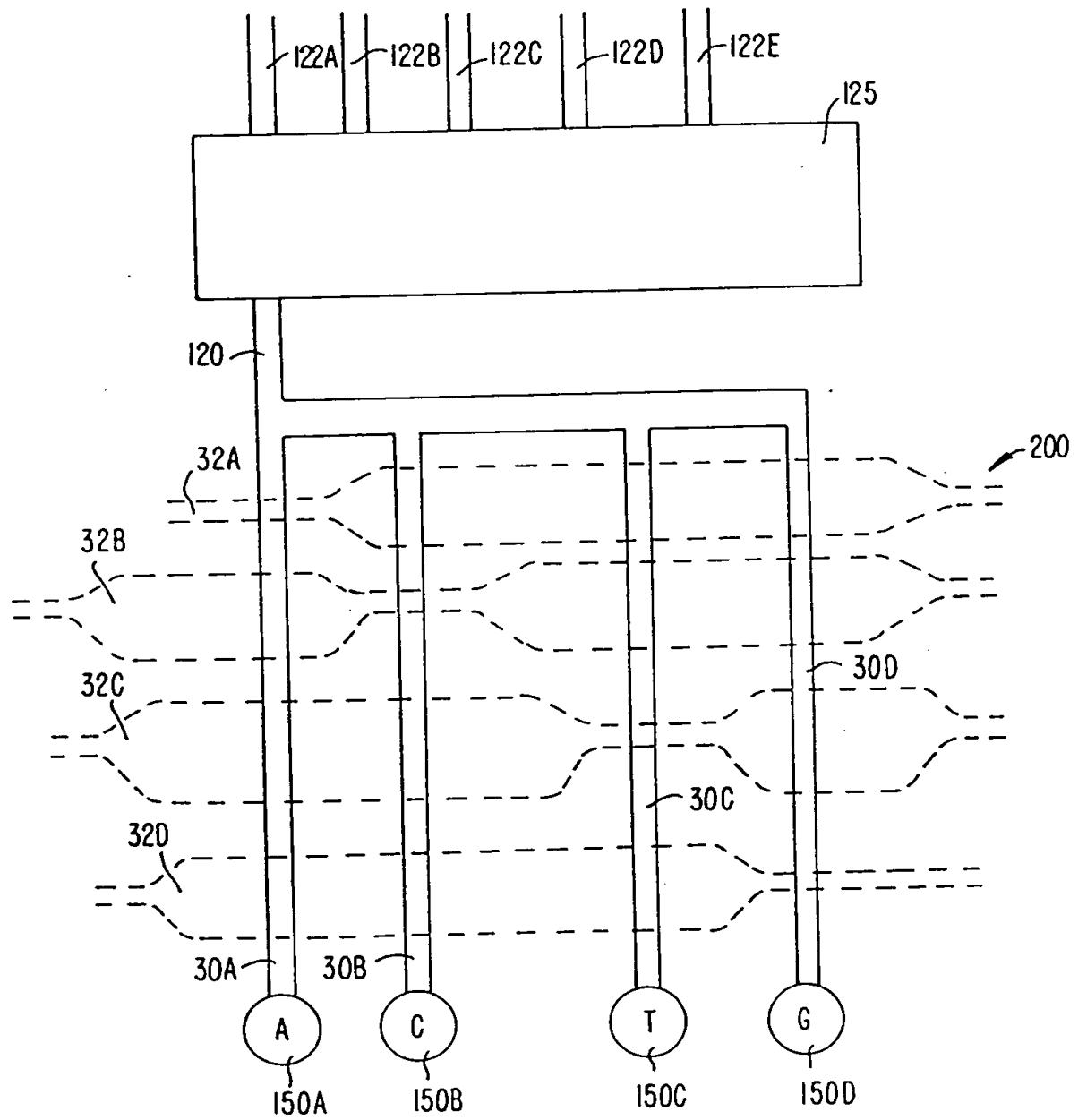


FIG. 32.

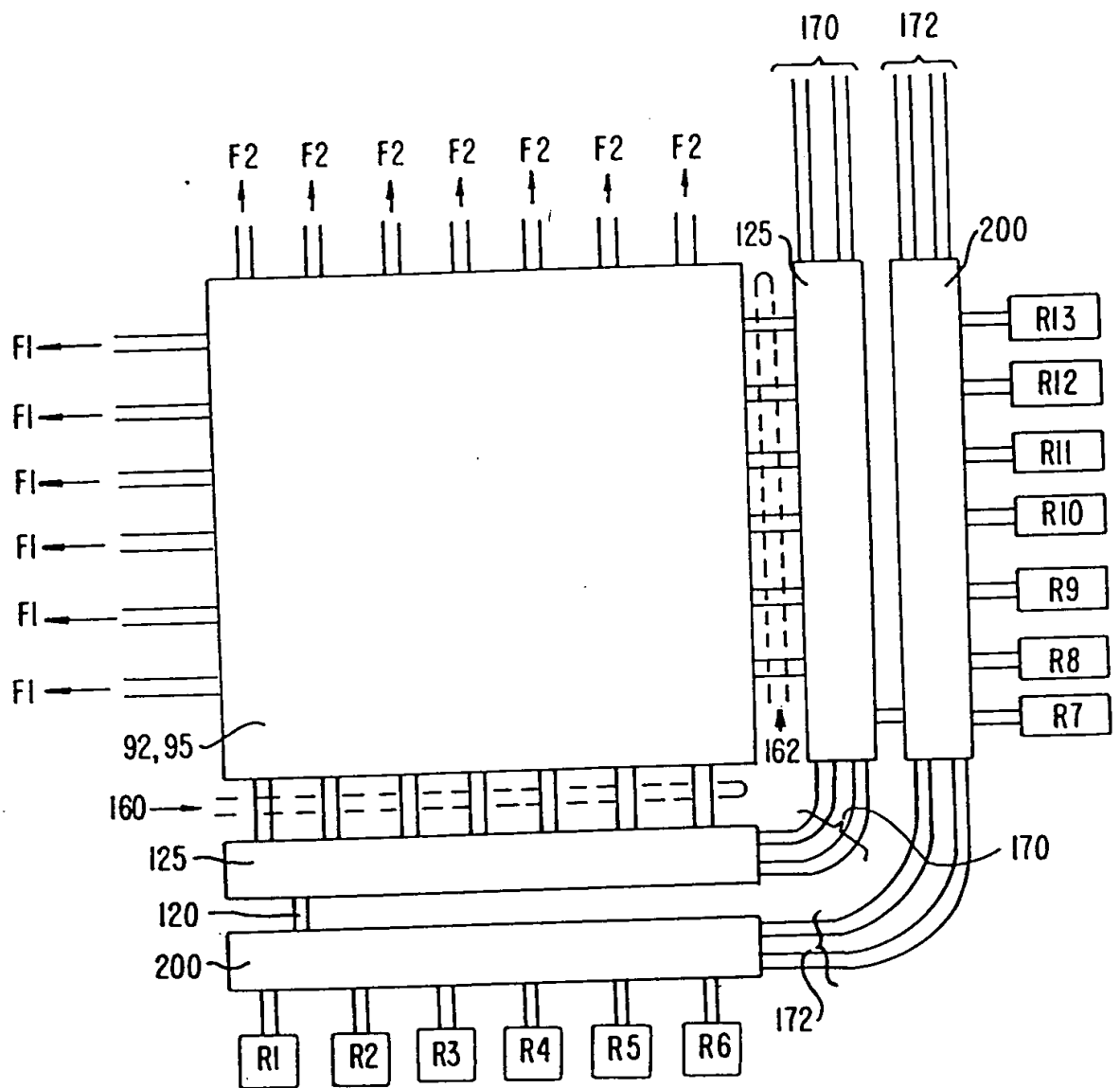


FIG. 33.

U.S. Pat. 5,022,000

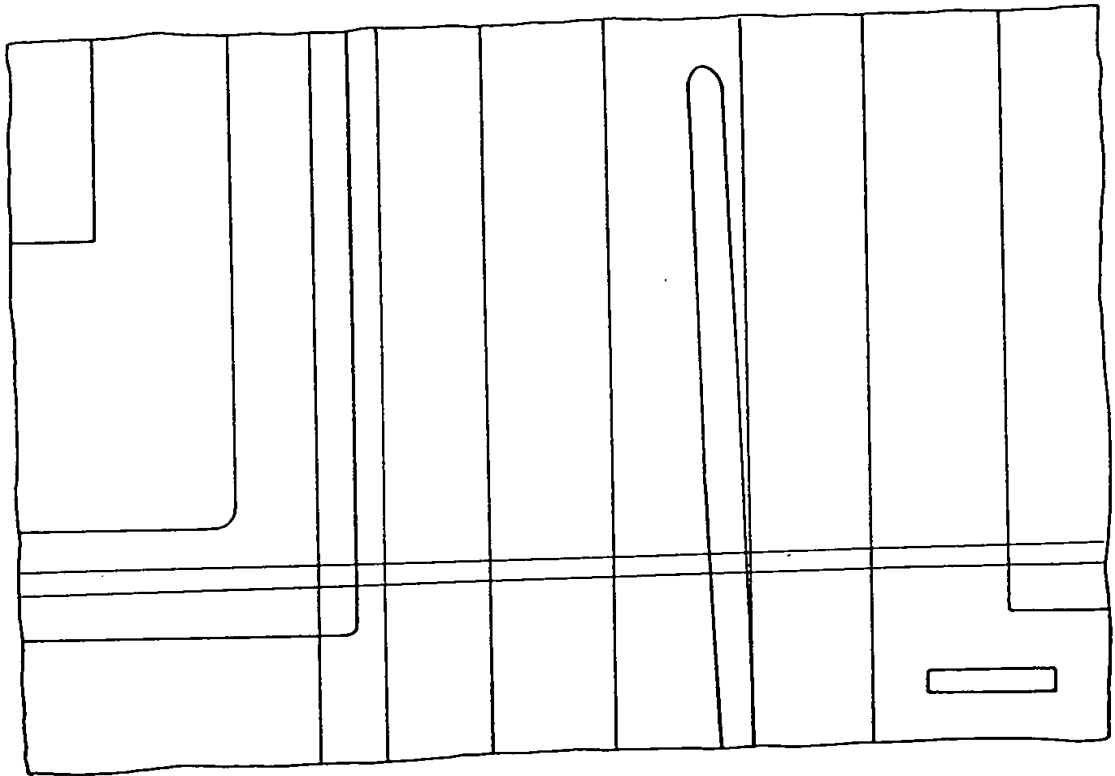


FIG. 34.

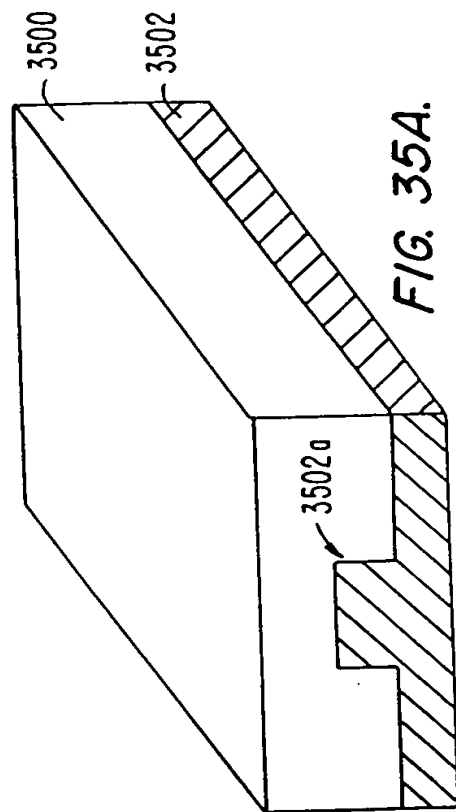


FIG. 35A.

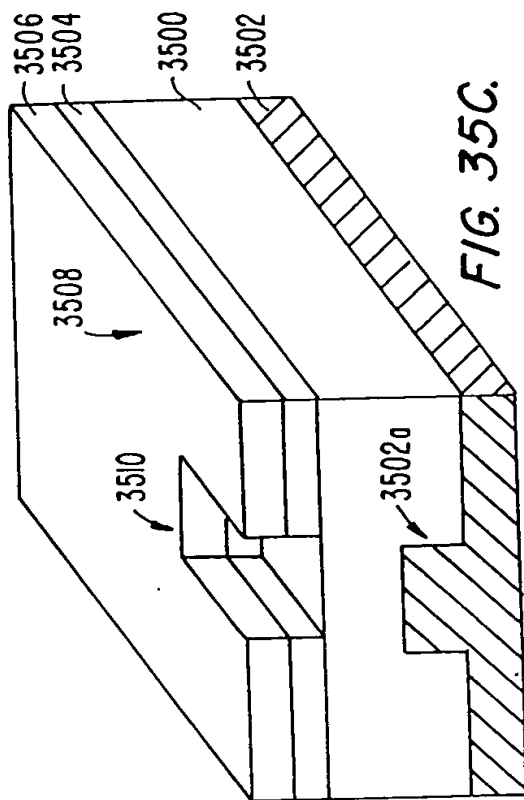


FIG. 35C.

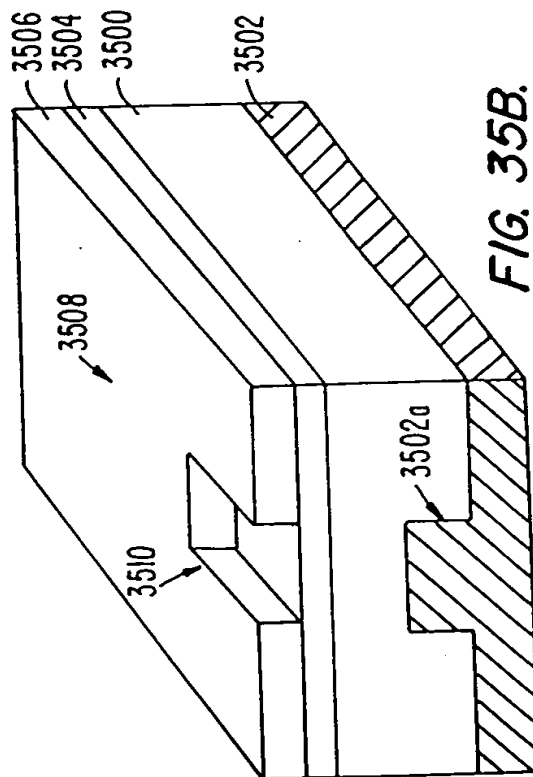


FIG. 35B.

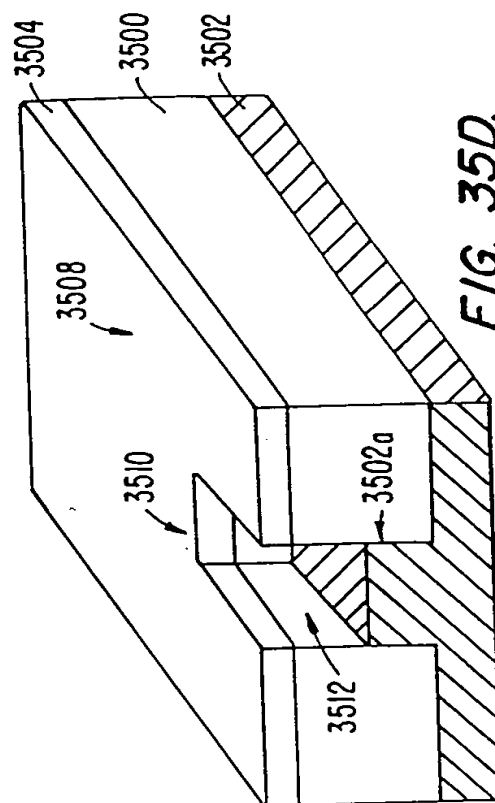


FIG. 35D.

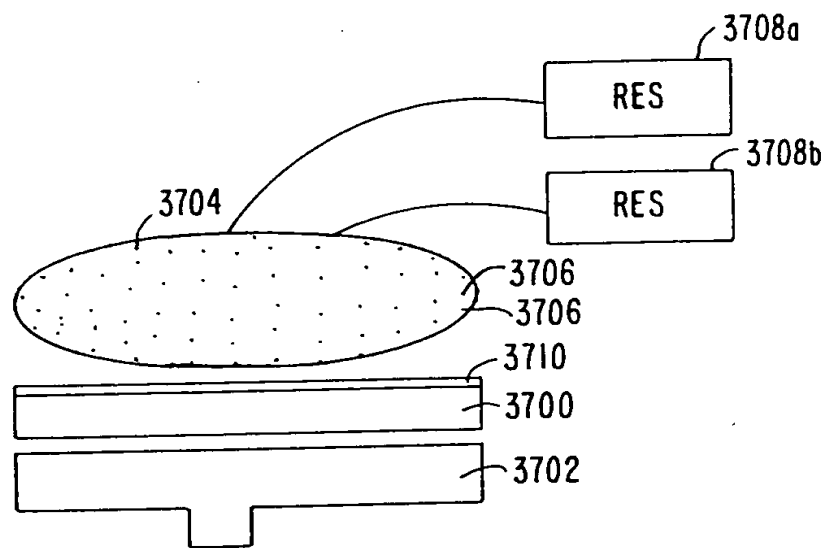


FIG. 37.

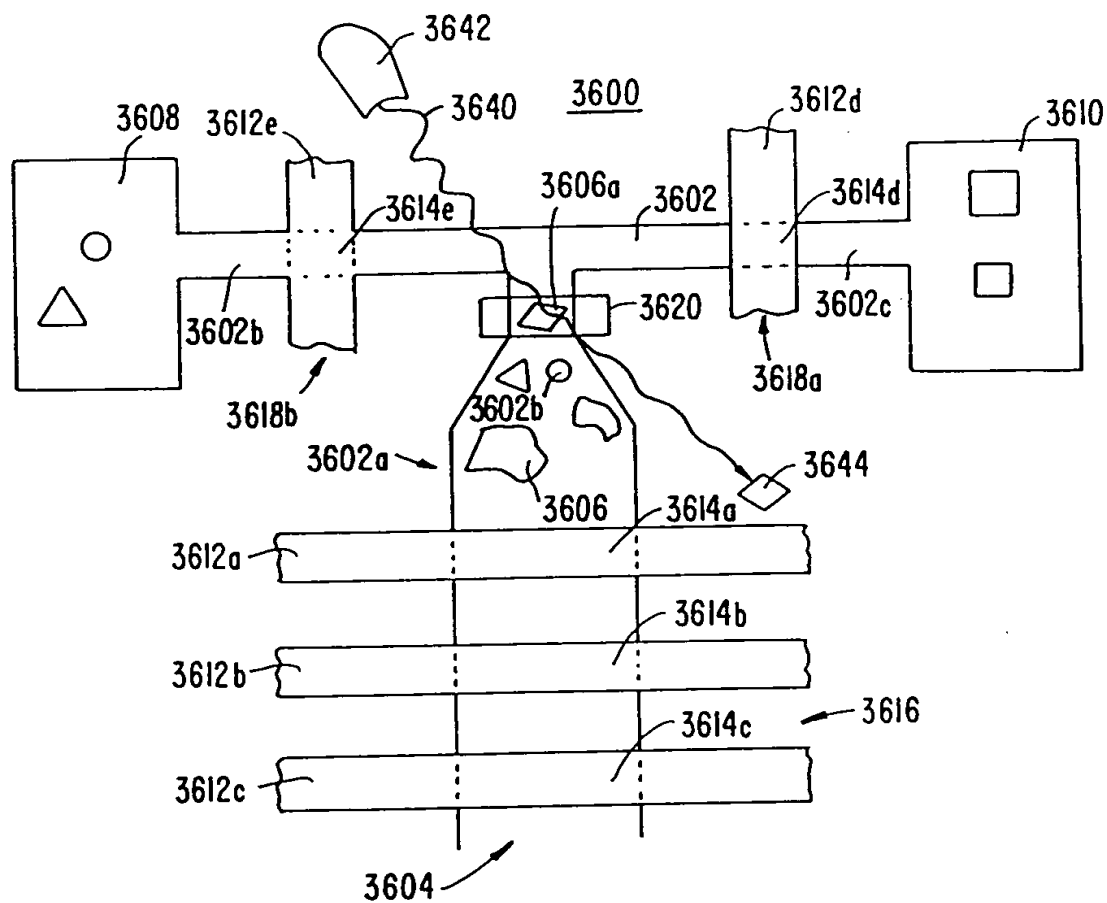
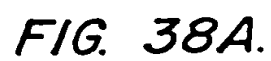


FIG. 36.



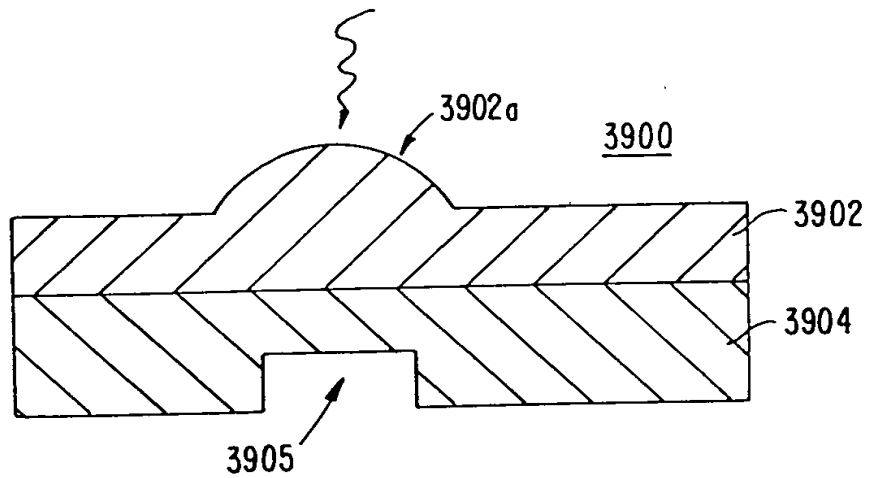


FIG. 39.

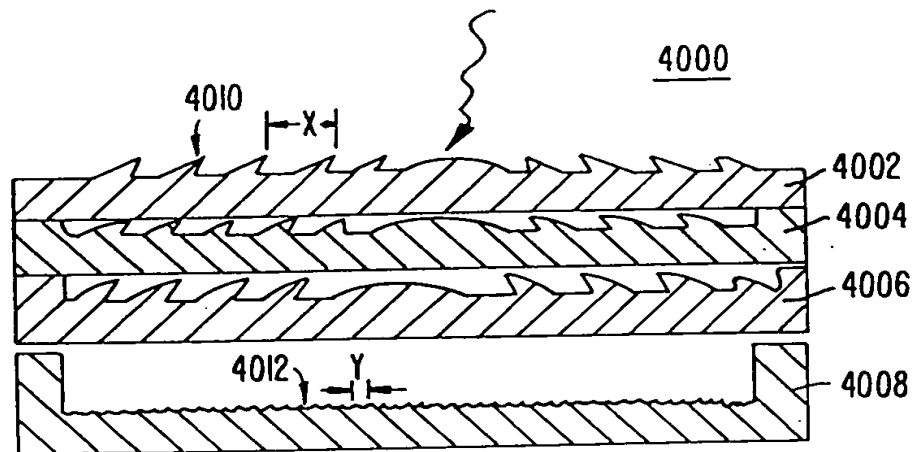


FIG. 40.

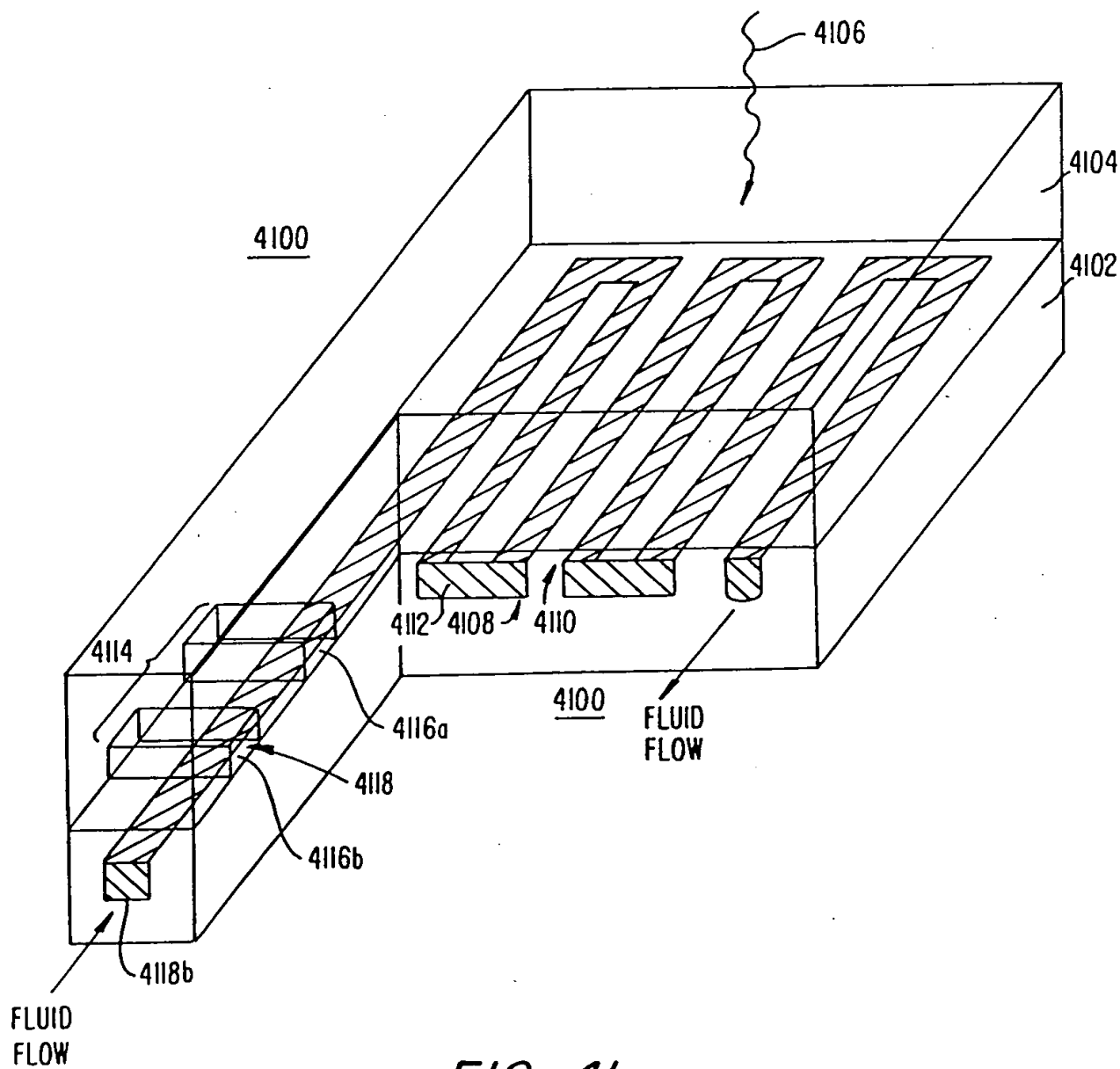


FIG. 41.

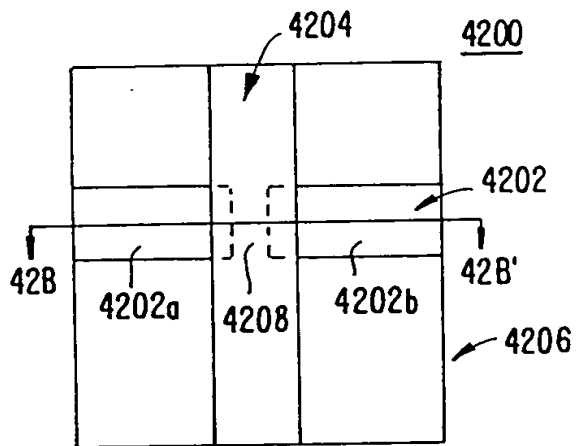


FIG. 42A.

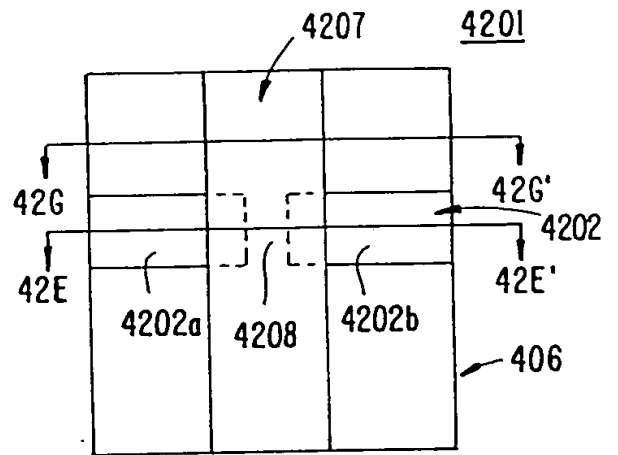


FIG. 42D.

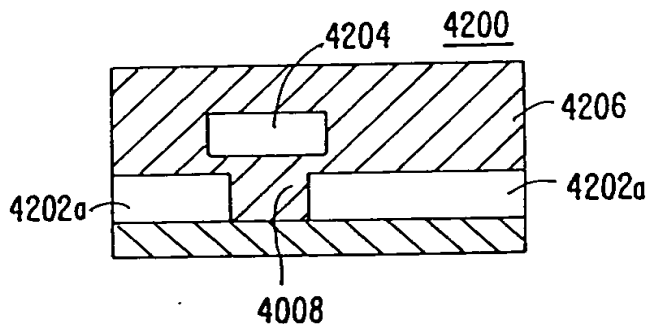


FIG. 42B.

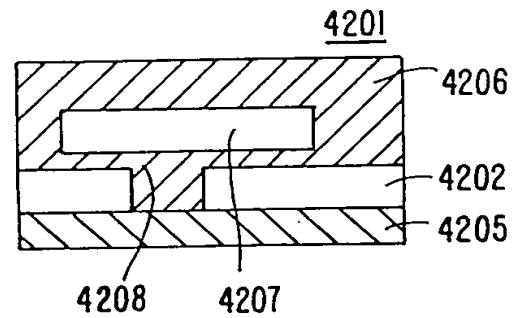


FIG. 42E.

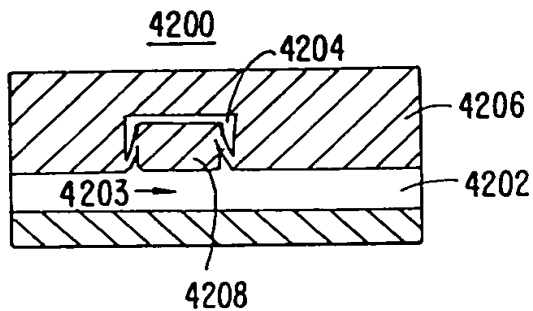


FIG. 42C.

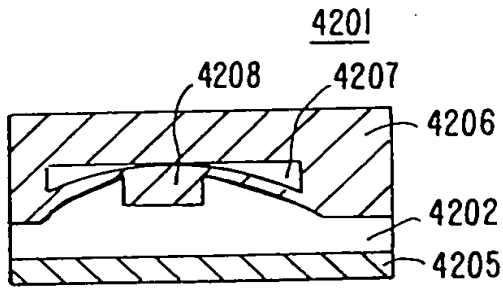


FIG. 42F.

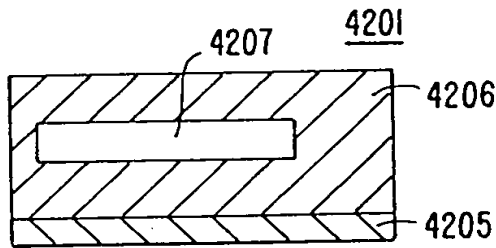


FIG. 42G.

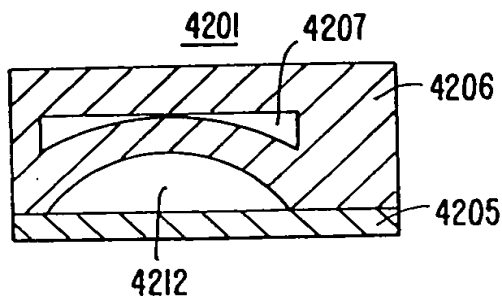


FIG. 42H.

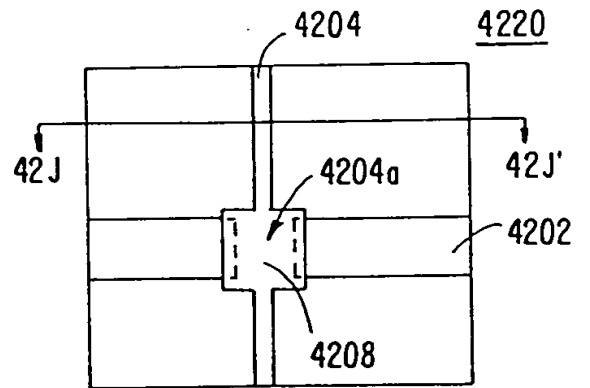


FIG. 42I.

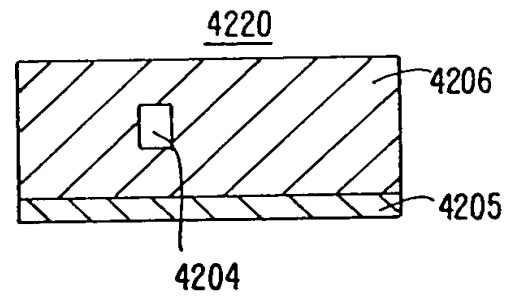


FIG. 42J.

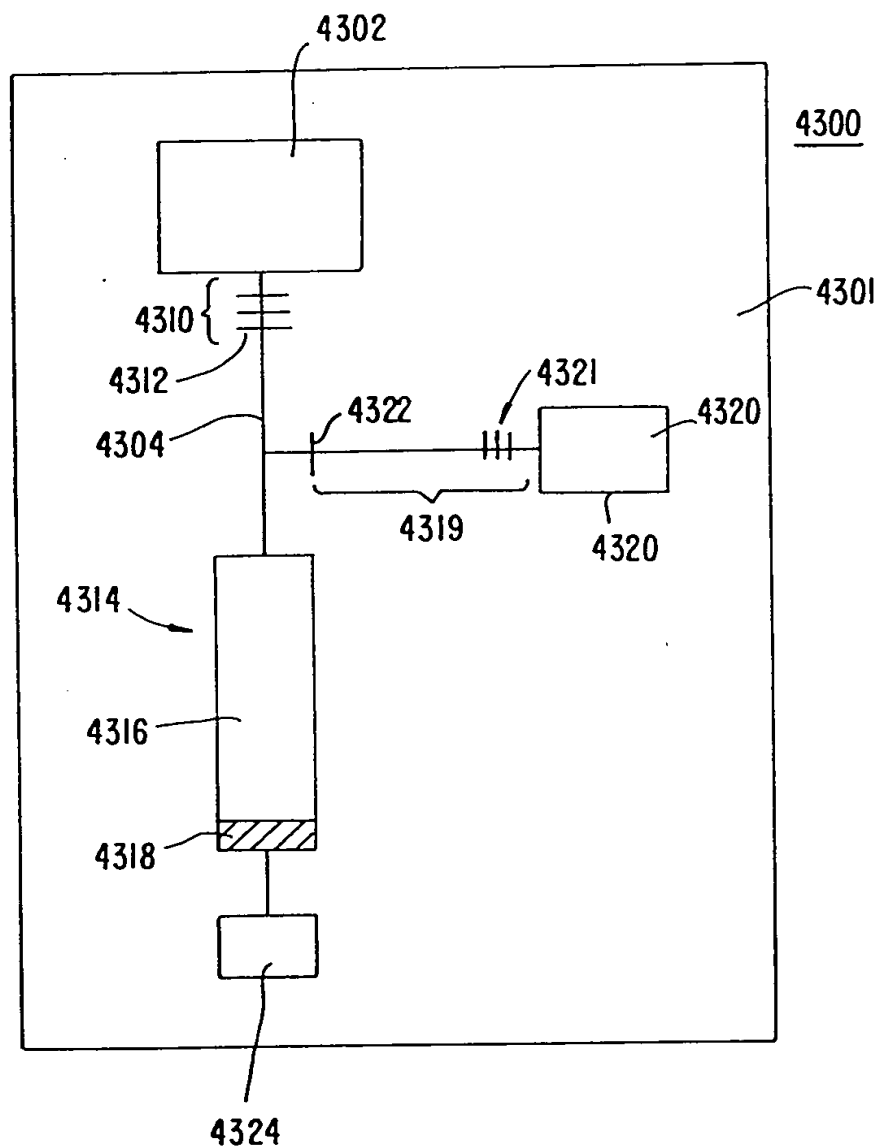


FIG. 43.

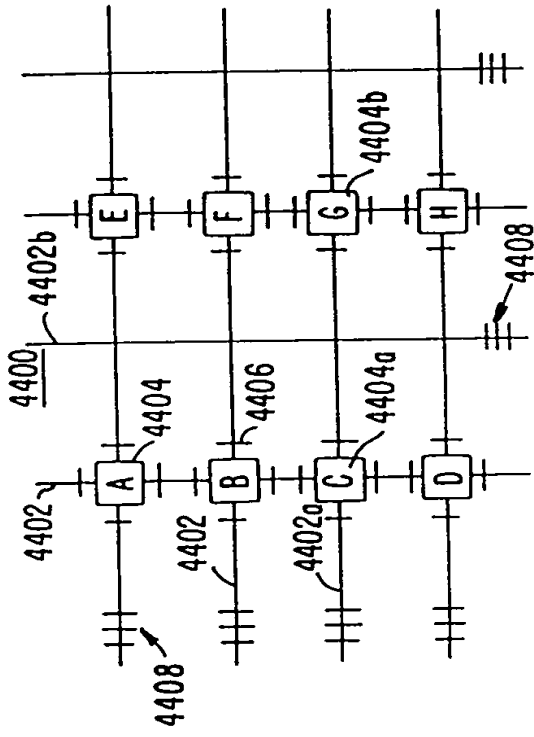


FIG. 44A.

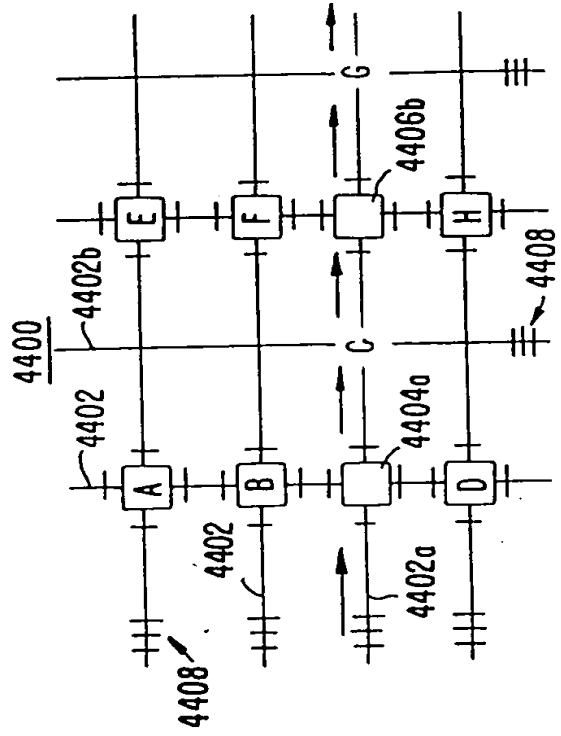


FIG. 44B.

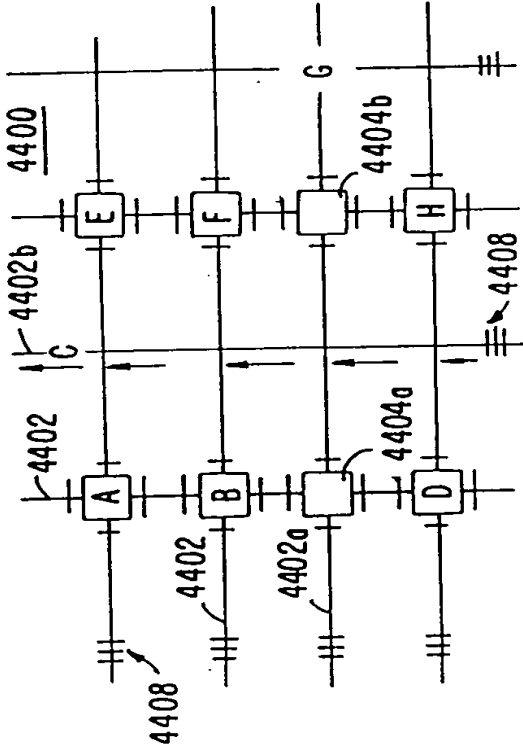


FIG. 44C.

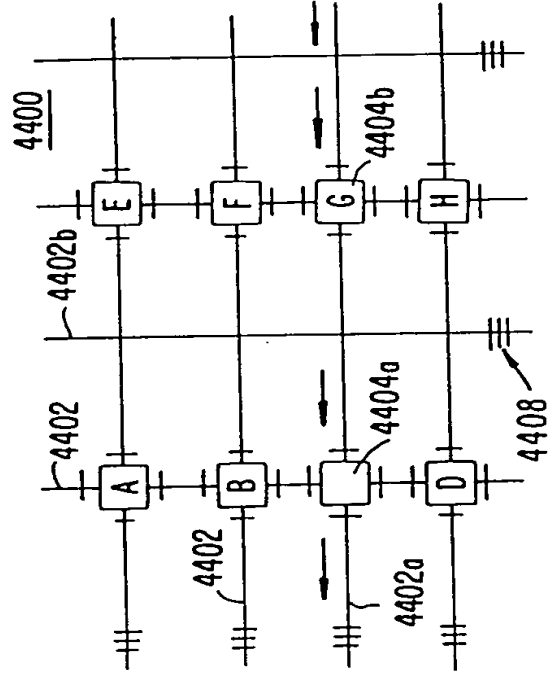


FIG. 44D.

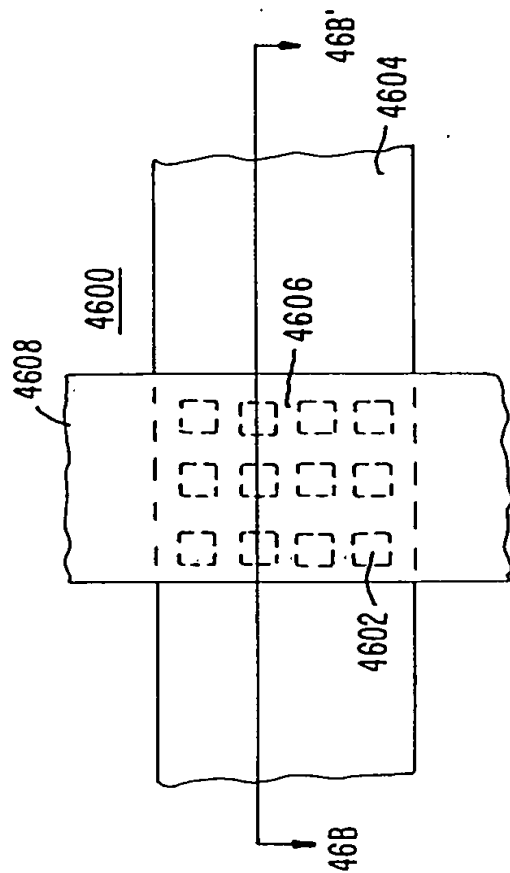


FIG. 46A.

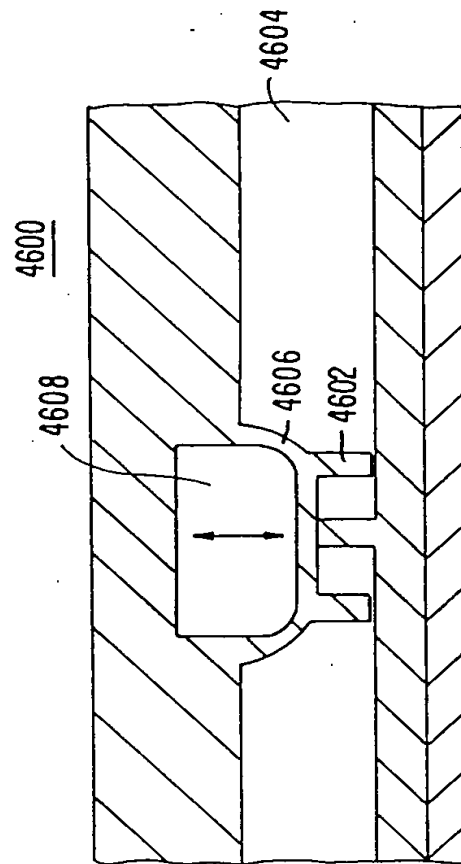


FIG. 46B.

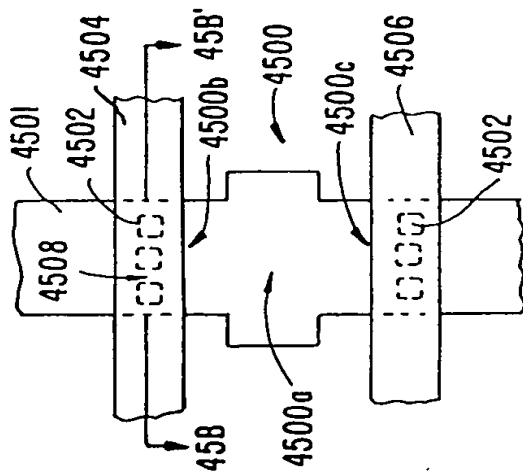


FIG. 45A.

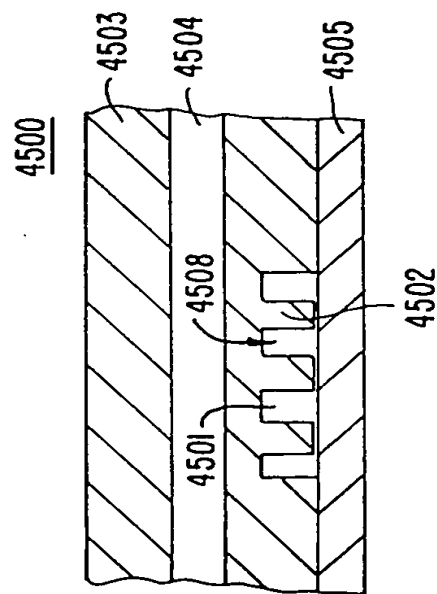


FIG. 45B.

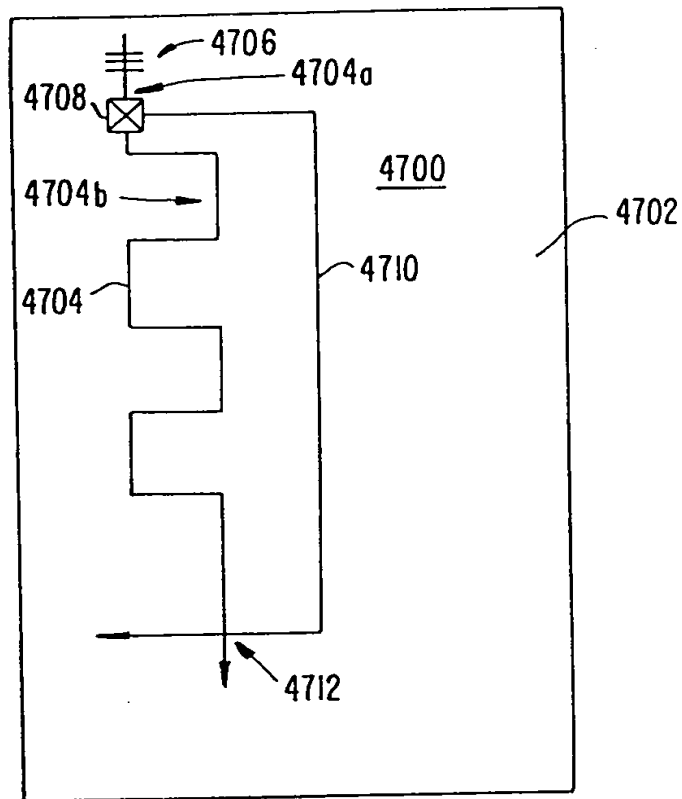


FIG. 47.

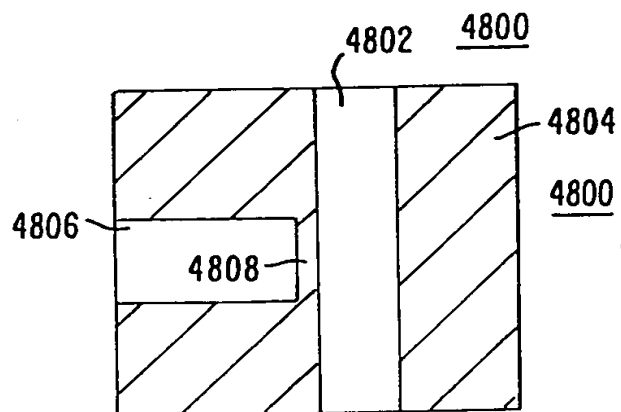


FIG. 48A.

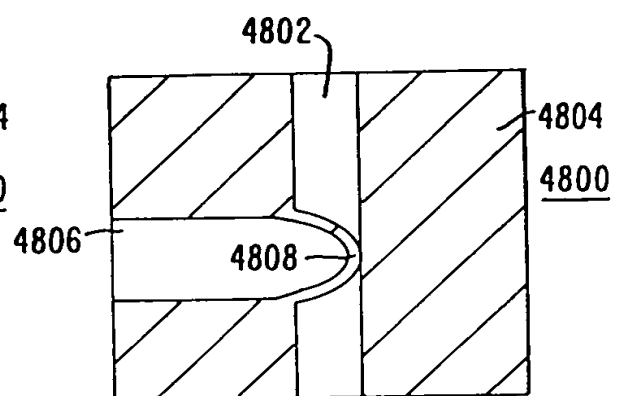


FIG. 48B.

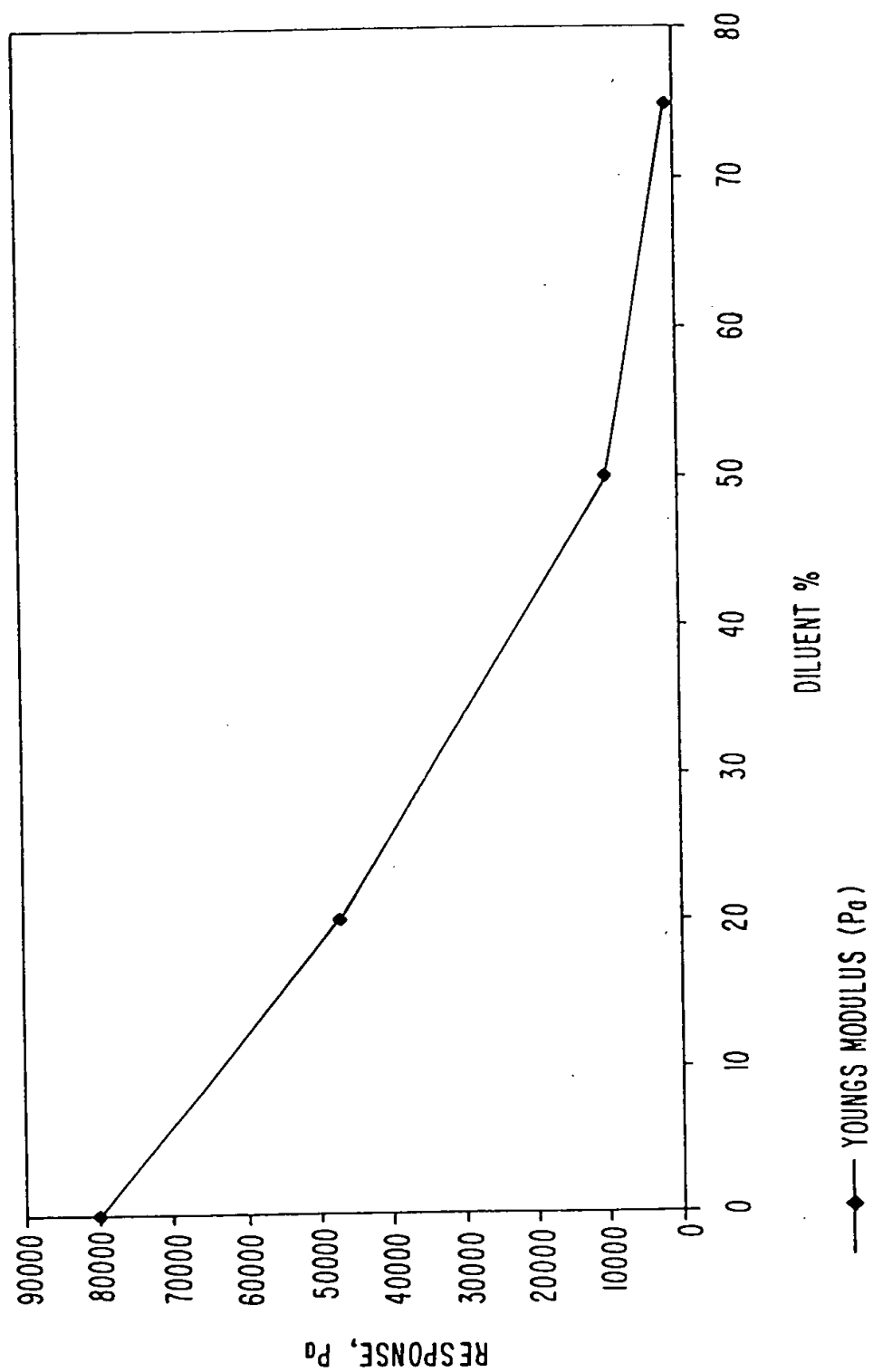


FIG. 49.

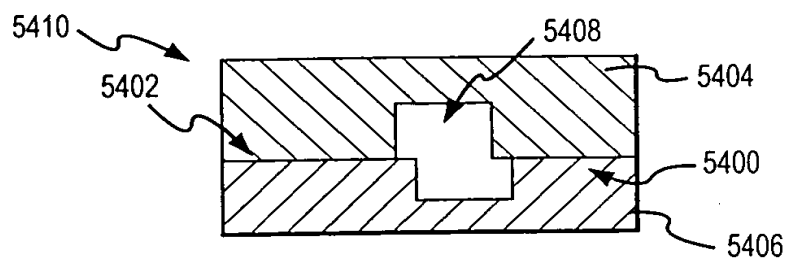


FIG. 50

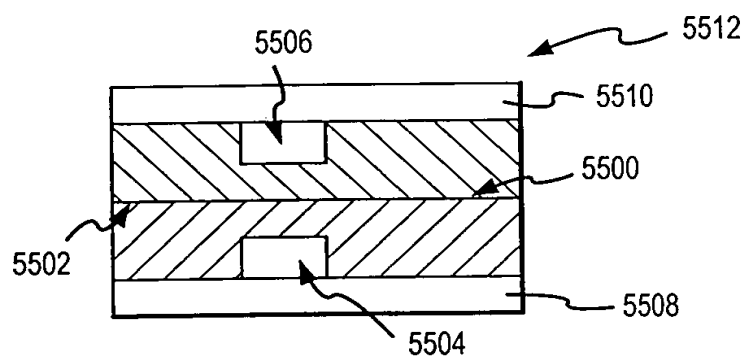


FIG. 51

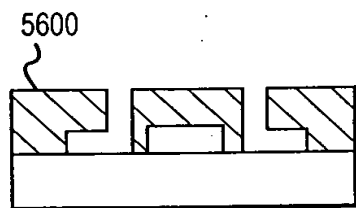


FIG. 52A

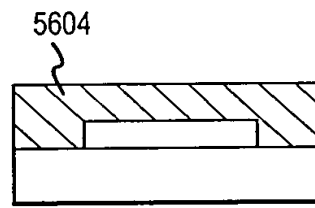


FIG. 52B

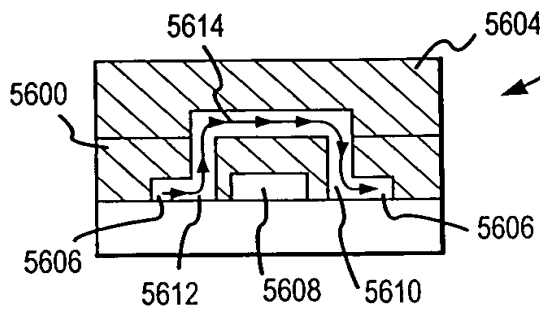


FIG. 52C

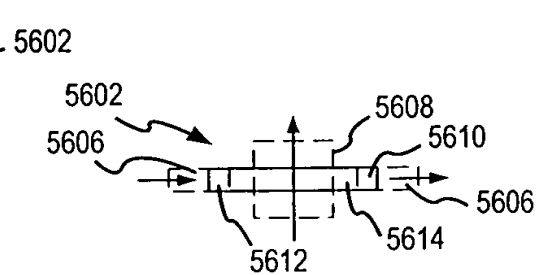


FIG. 52D

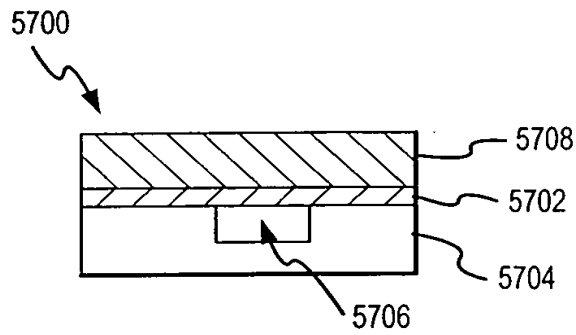


FIG.53

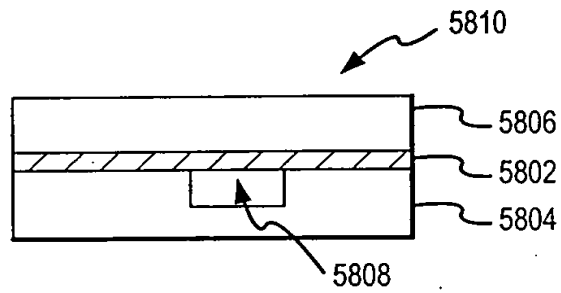


FIG.54

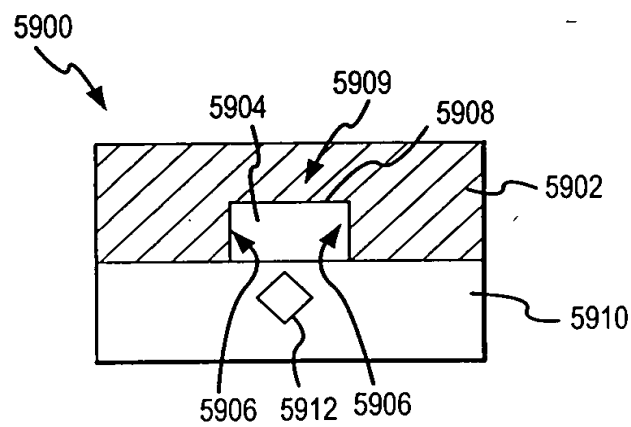


FIG.55

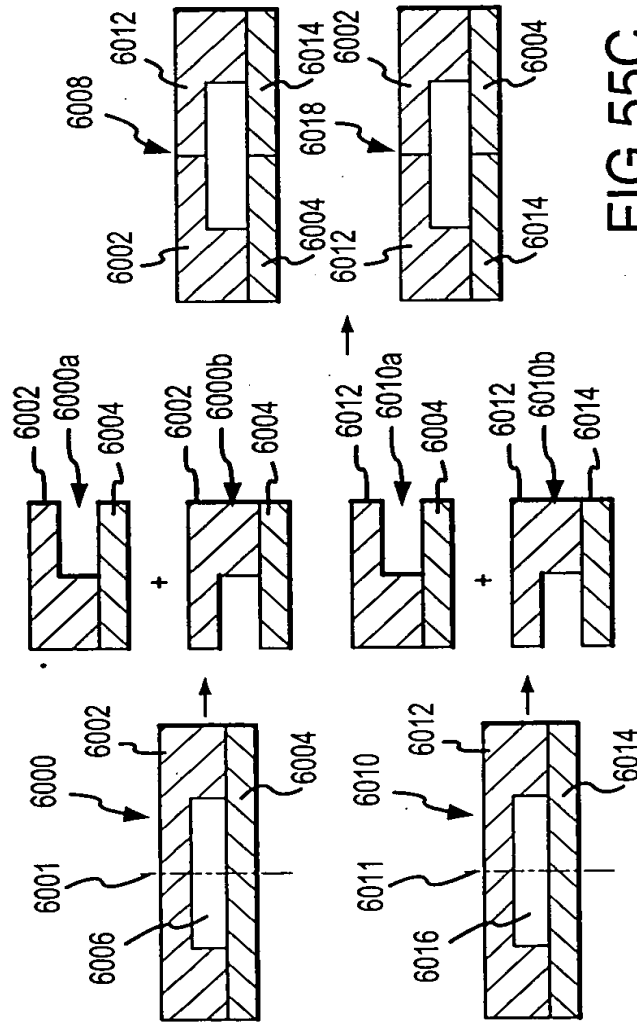


FIG. 55A

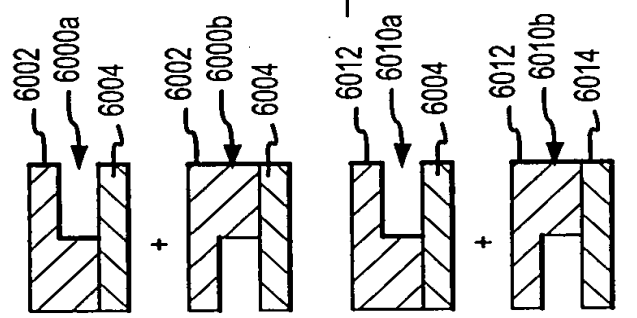


FIG. 55B

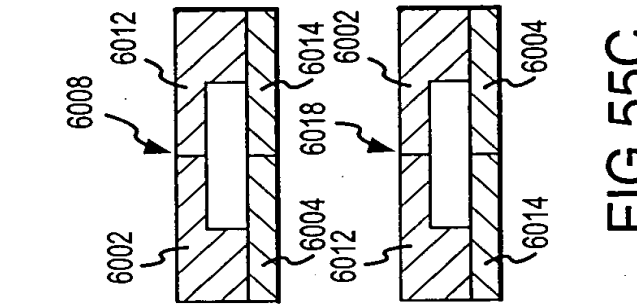


FIG. 55C

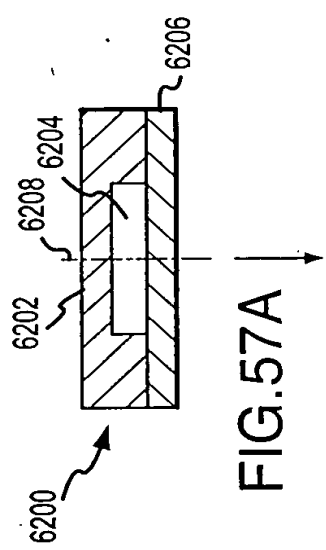


FIG. 57A

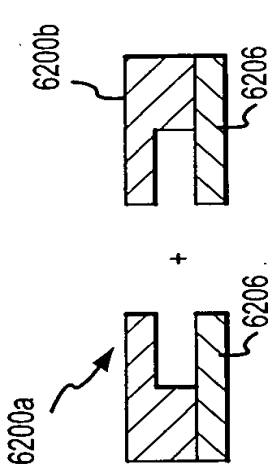


FIG. 57B

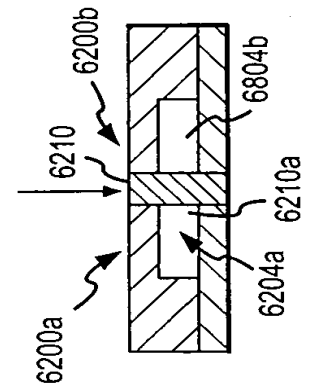


FIG. 57C

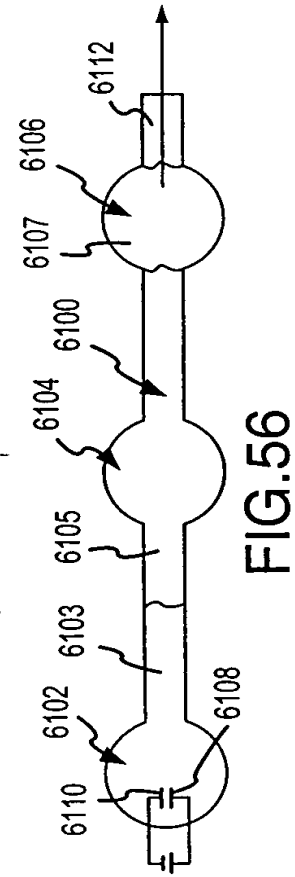


FIG. 56

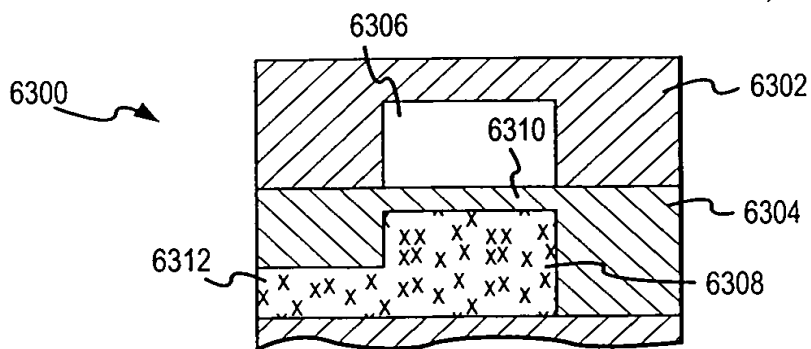


FIG. 58A

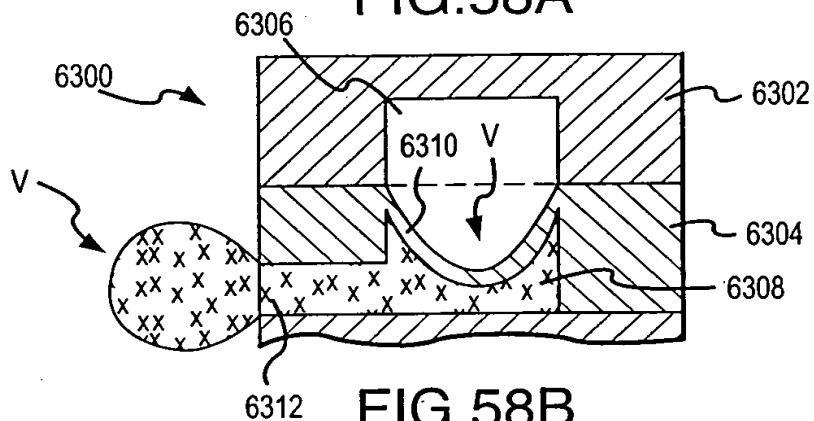


FIG. 58B

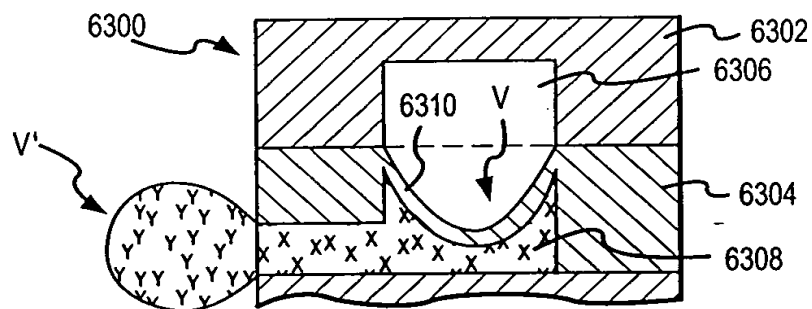


FIG. 58C

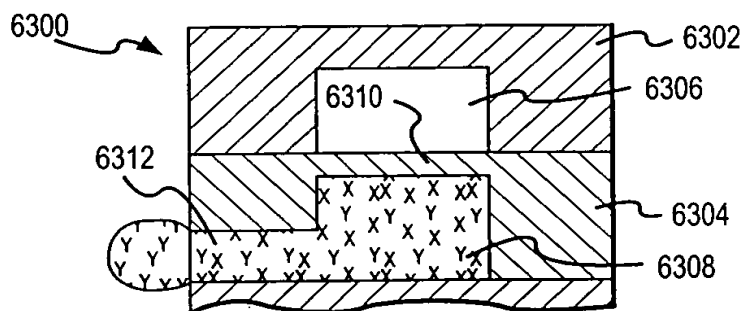


FIG. 58D

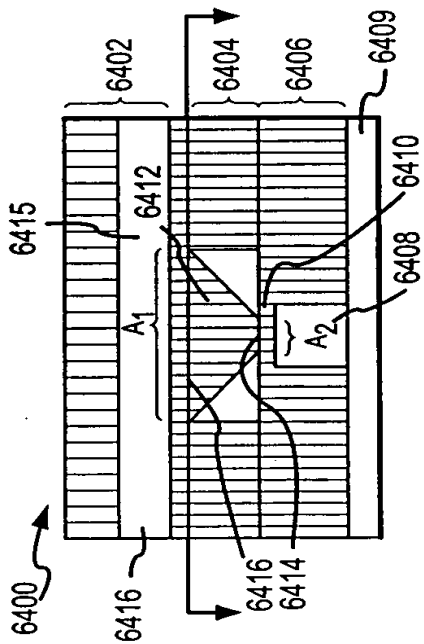


FIG. 59A

FIG. 59C

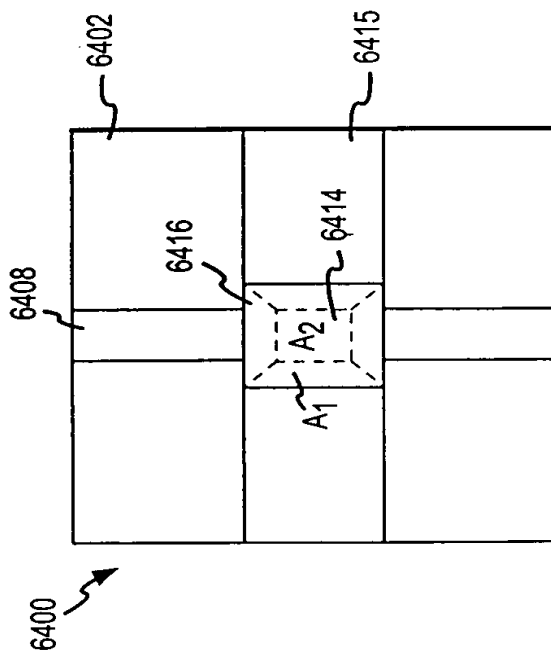
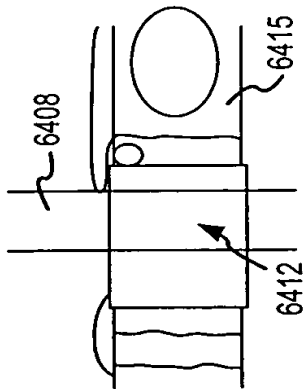
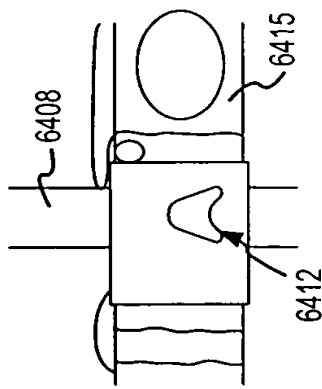


FIG. 59B

FIG. 59D



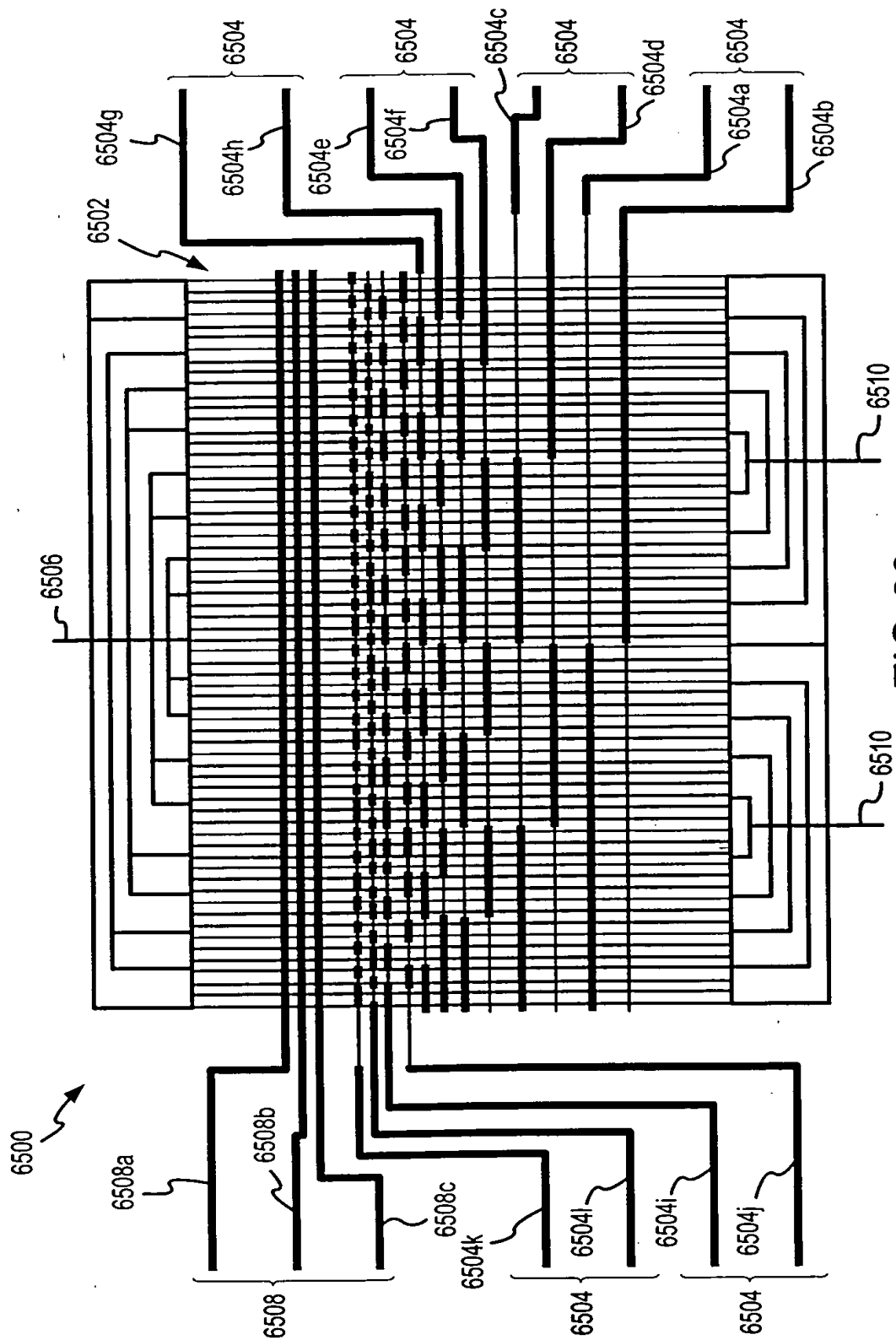


FIG.60

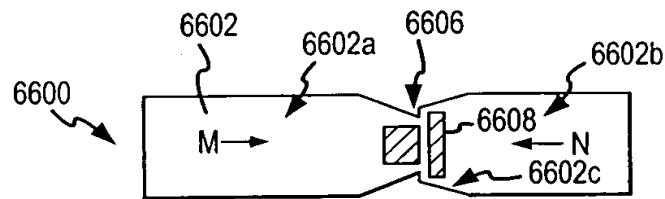


FIG. 61A

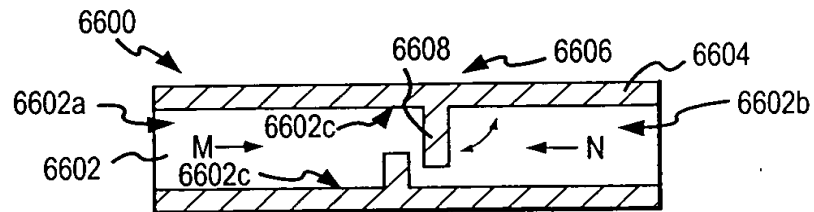


FIG. 61B

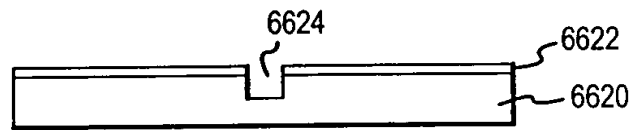


FIG. 62A

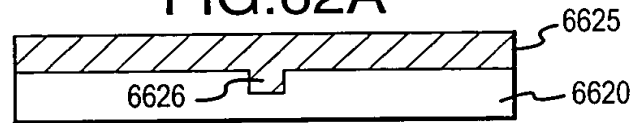


FIG. 62B

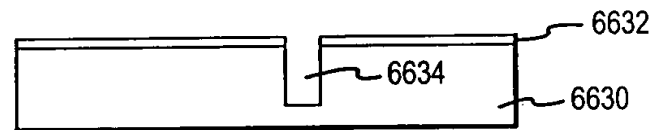


FIG. 62C

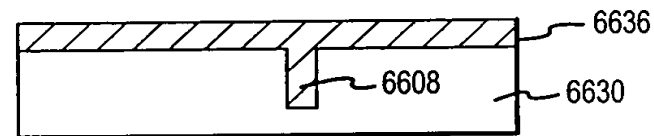


FIG. 62D

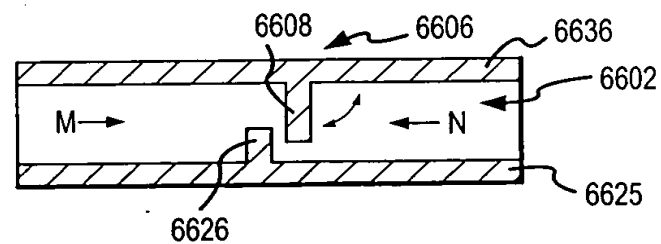


FIG. 62E

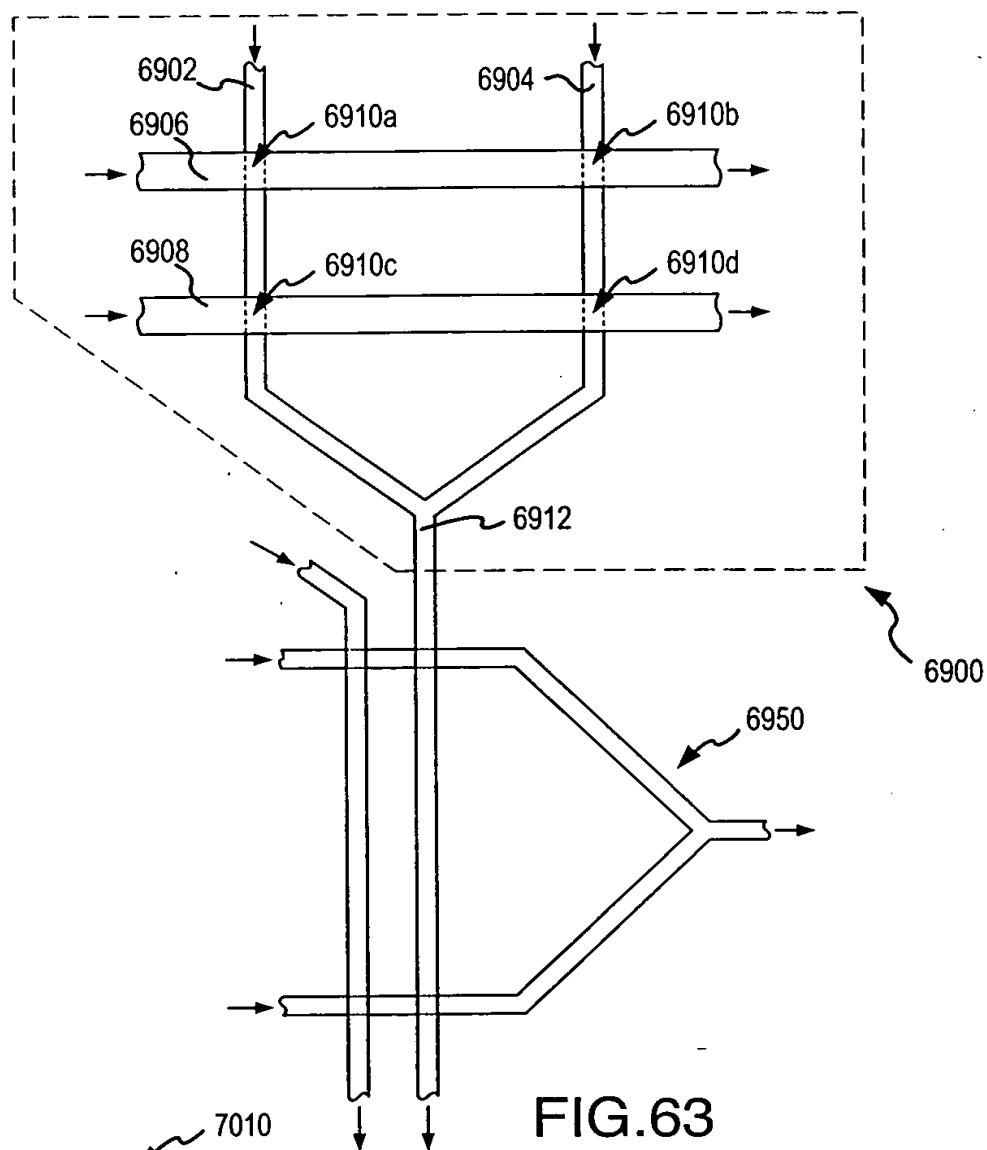


FIG. 63

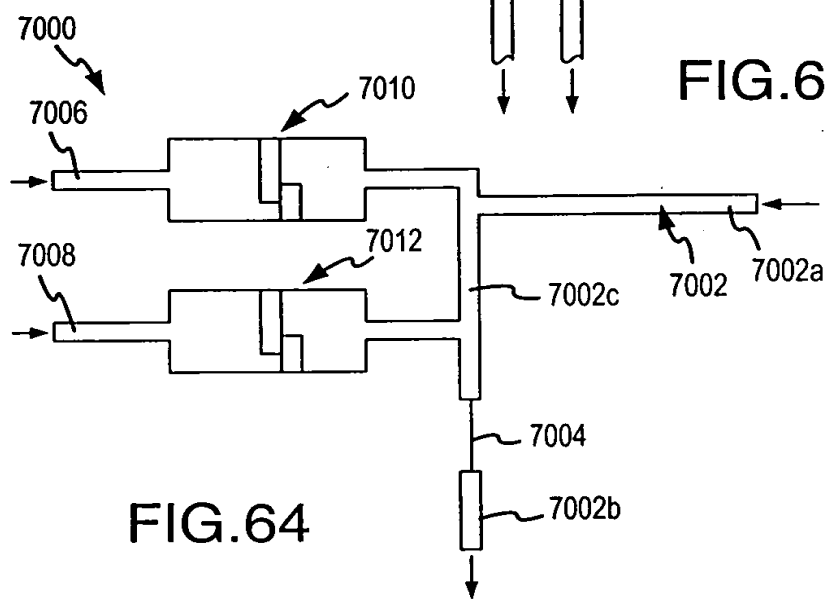


FIG. 64

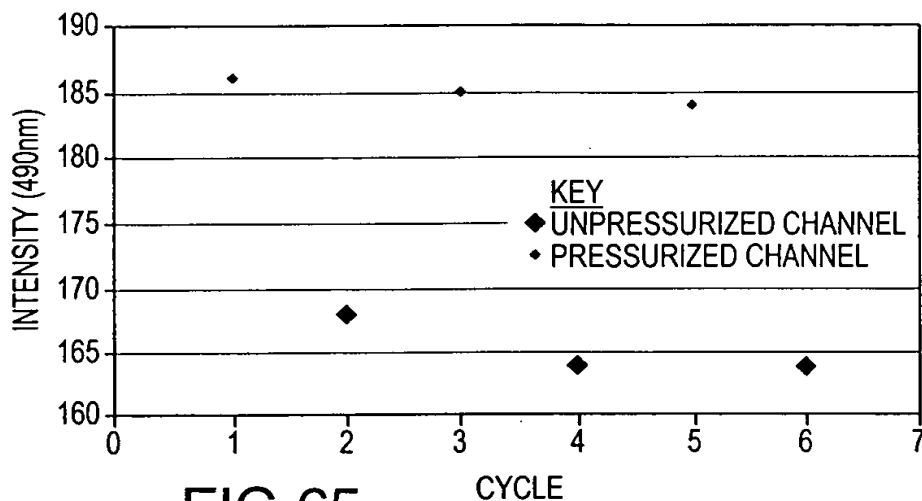


FIG. 65

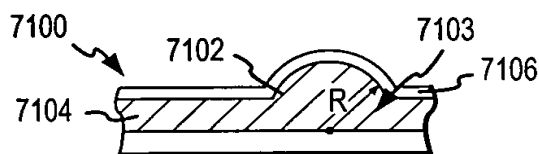


FIG. 66

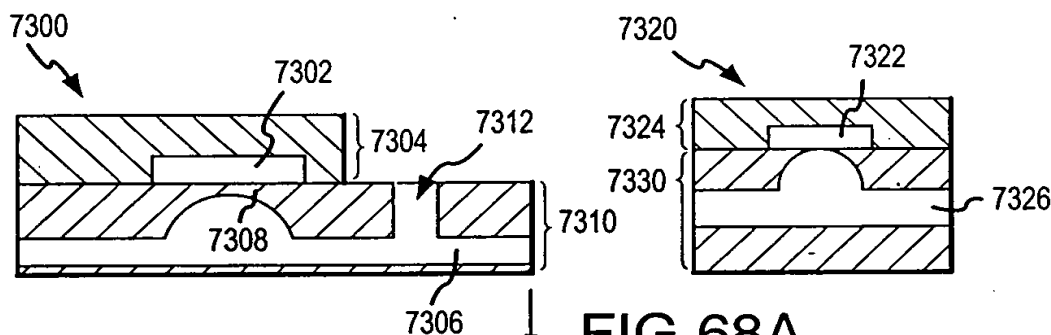


FIG. 68A

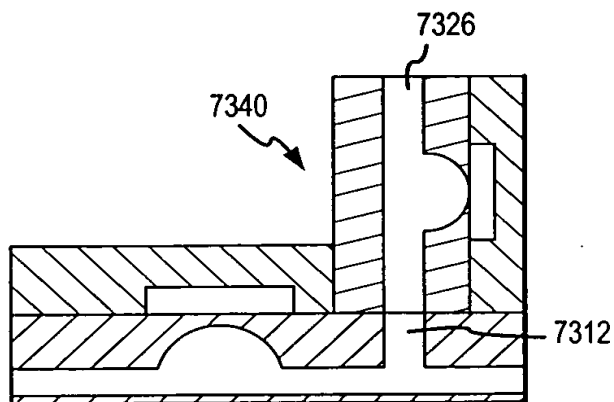


FIG. 68B

FIG. 67

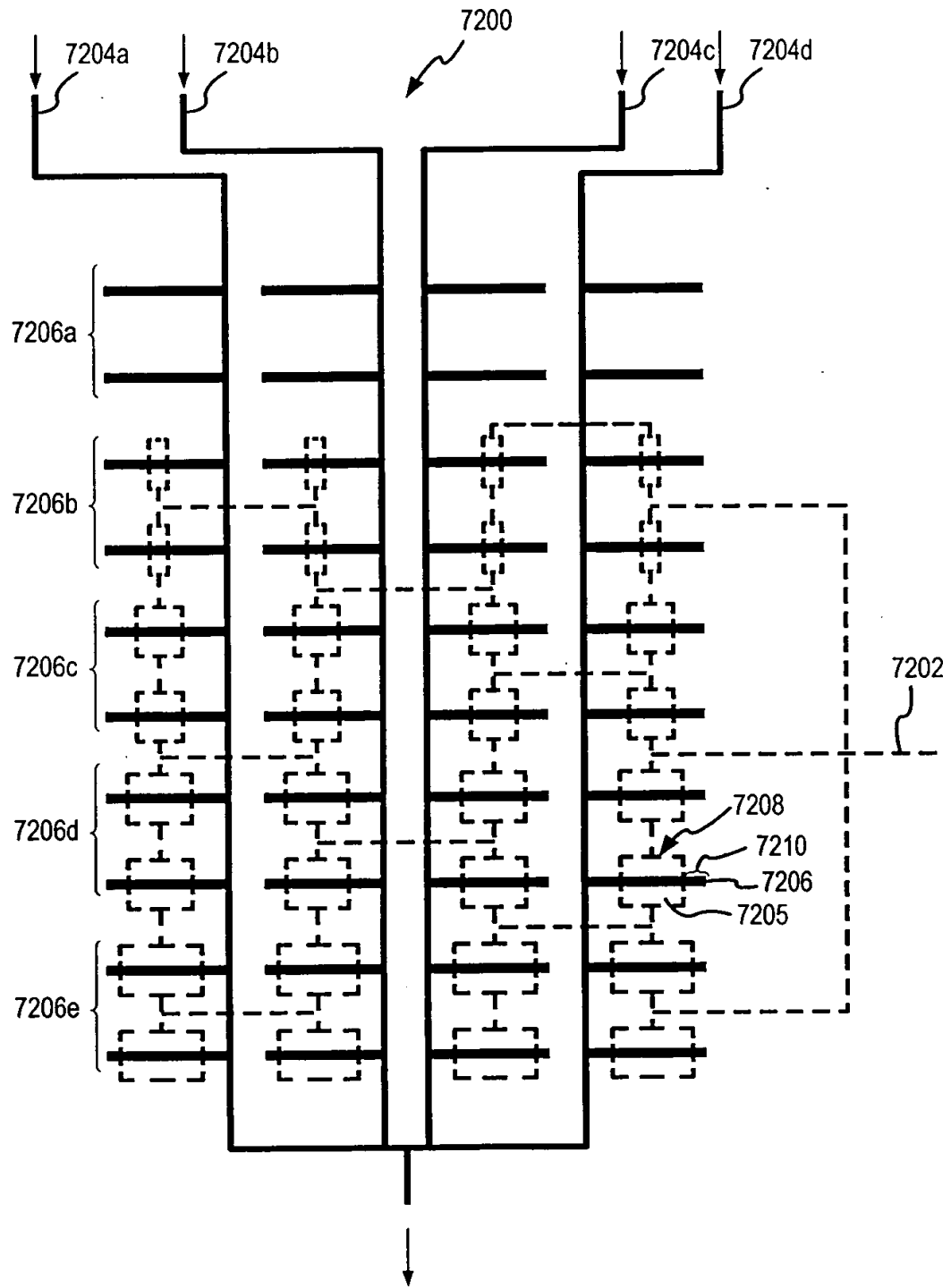


FIG.67

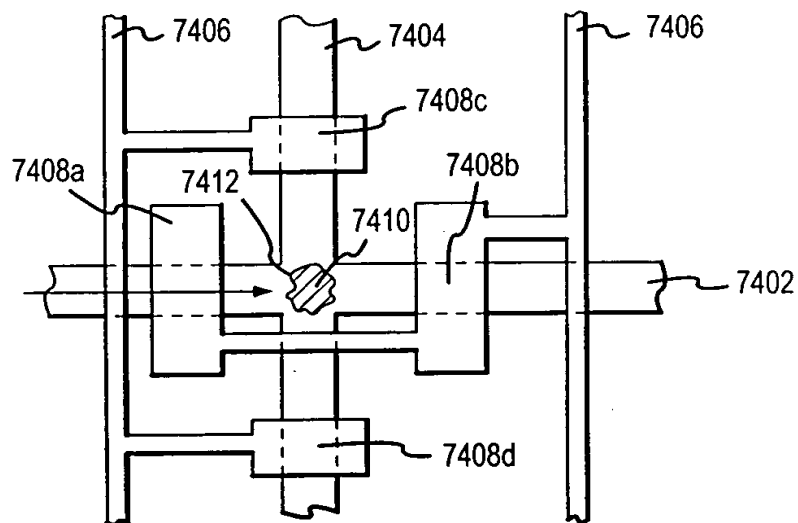


FIG. 69A

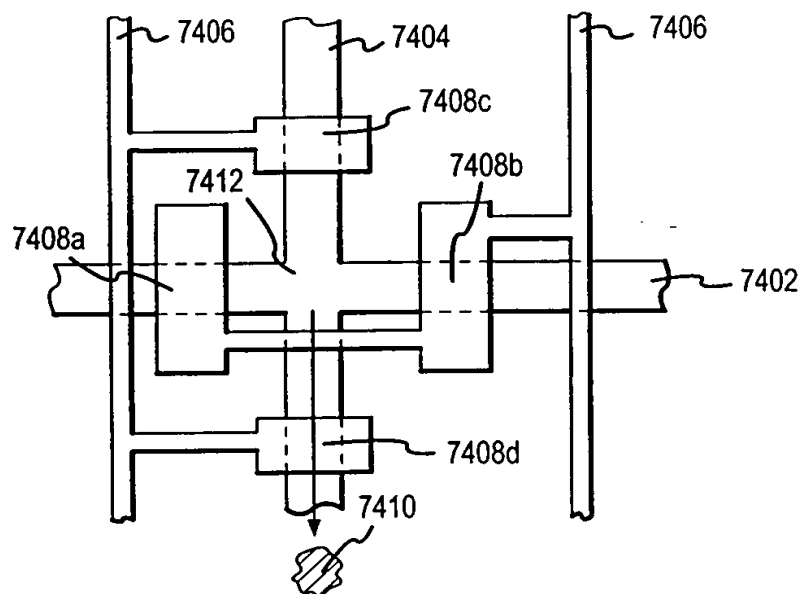


FIG. 69B

FIG. 70

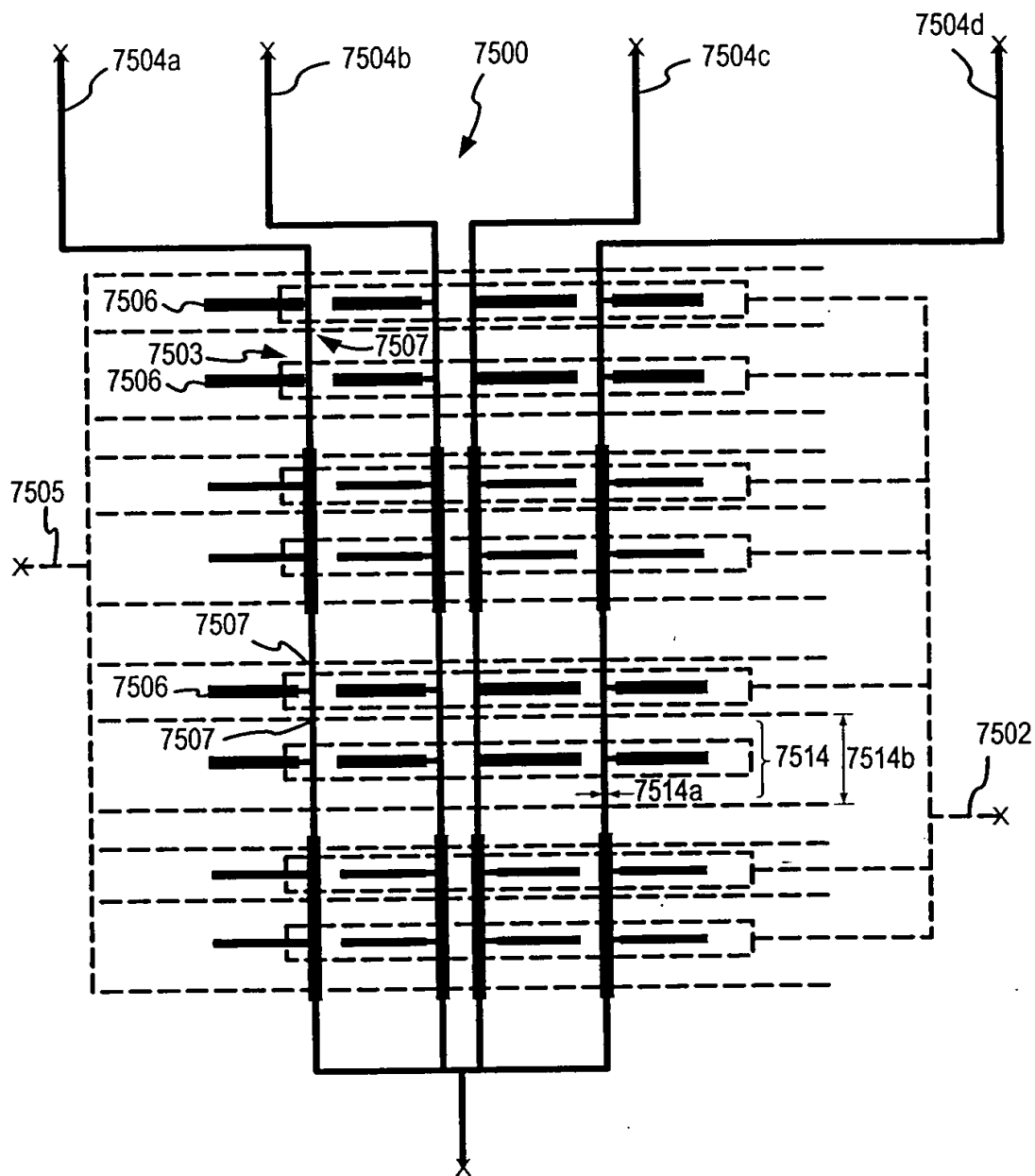


FIG.70

FIG. 71A

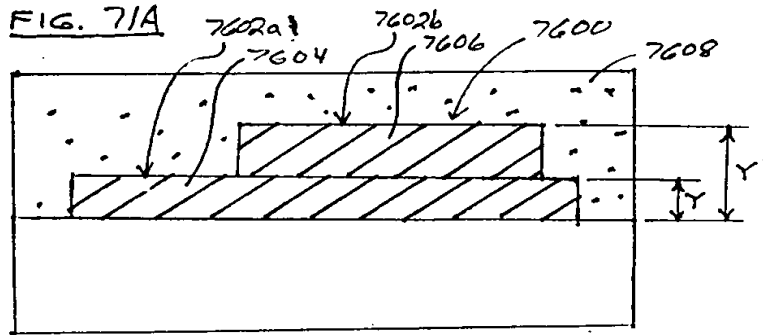
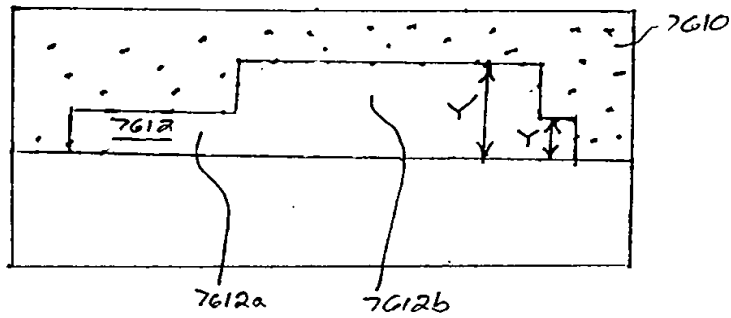


FIG. 71B



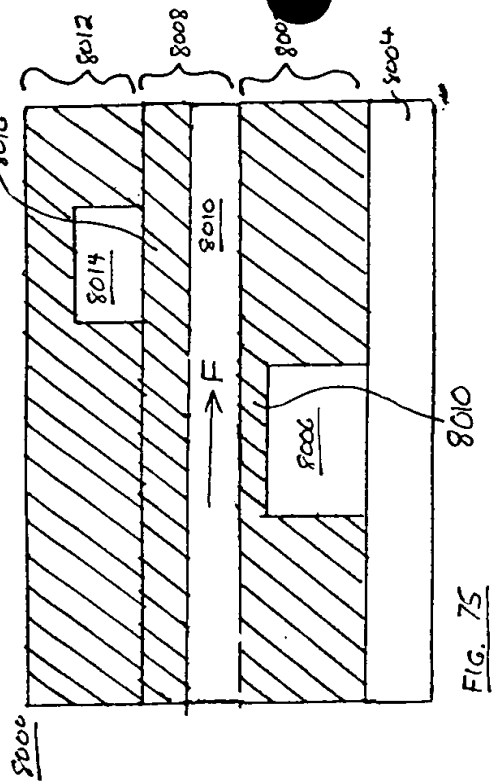
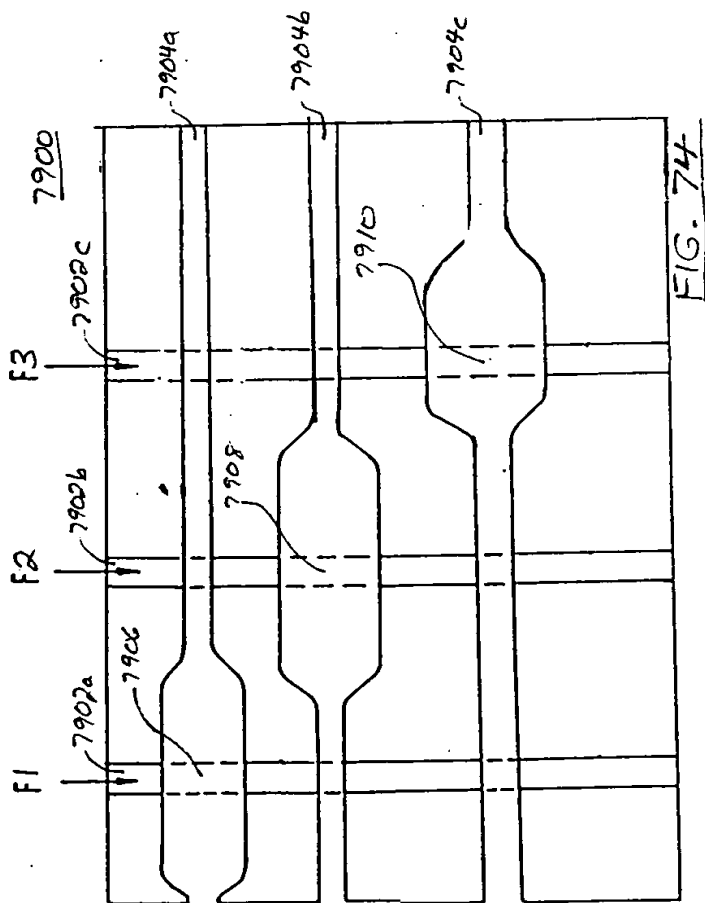


FIG. 76

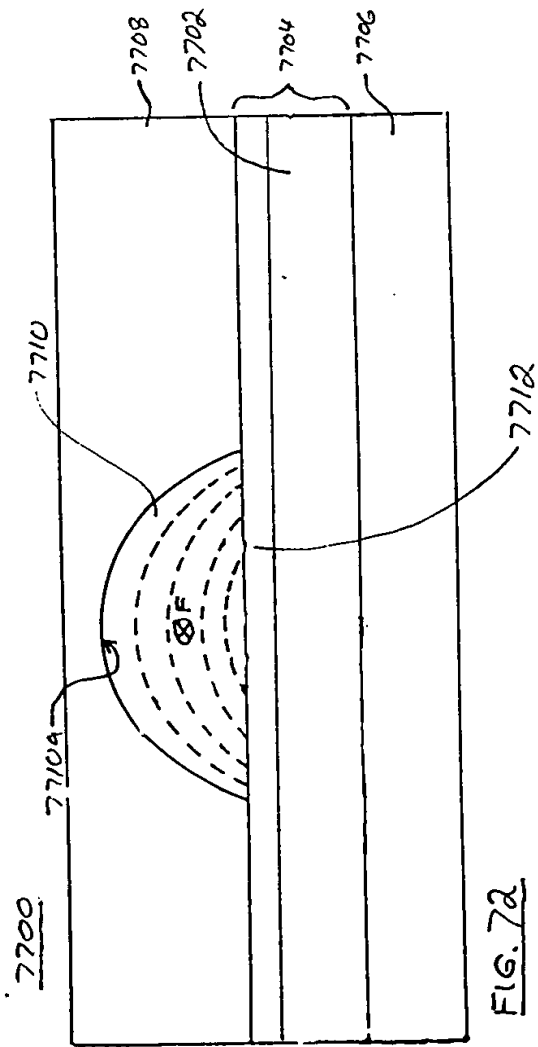
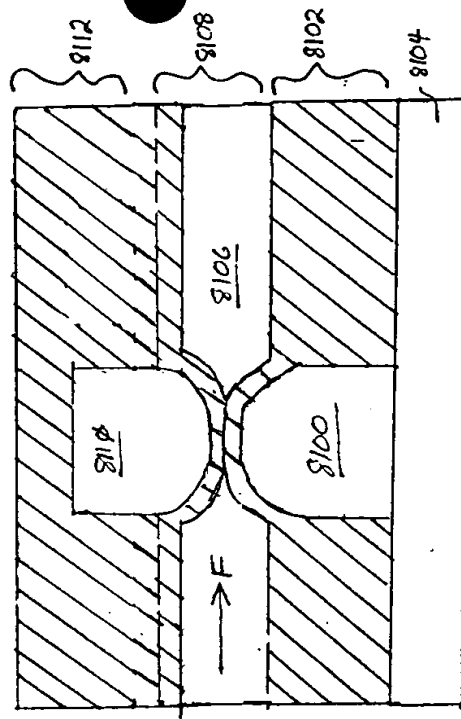


FIG. 73A

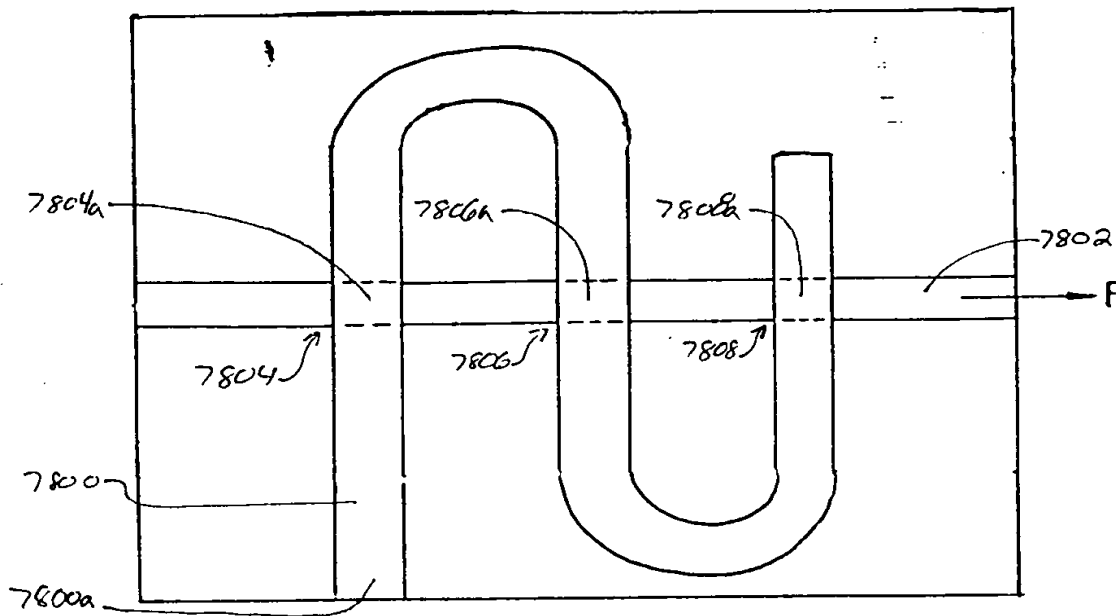


FIG. 73B

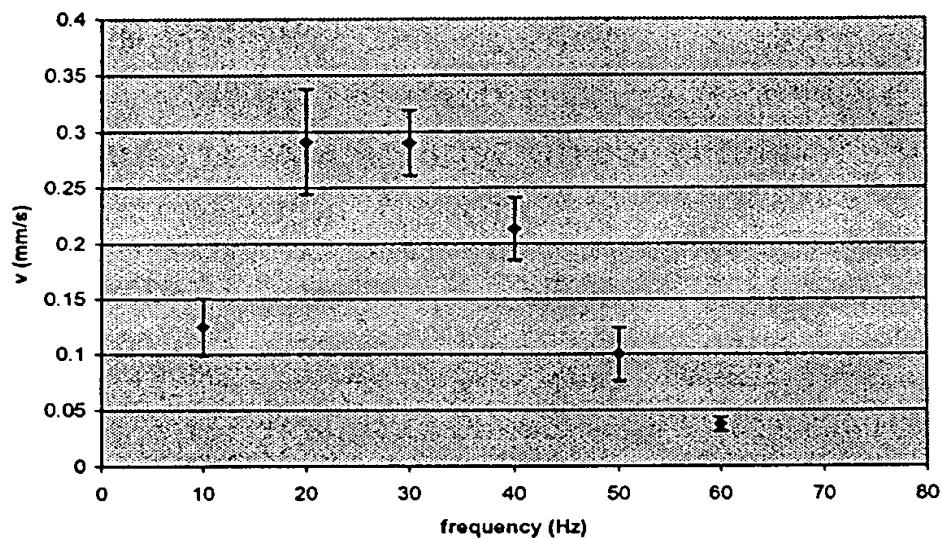
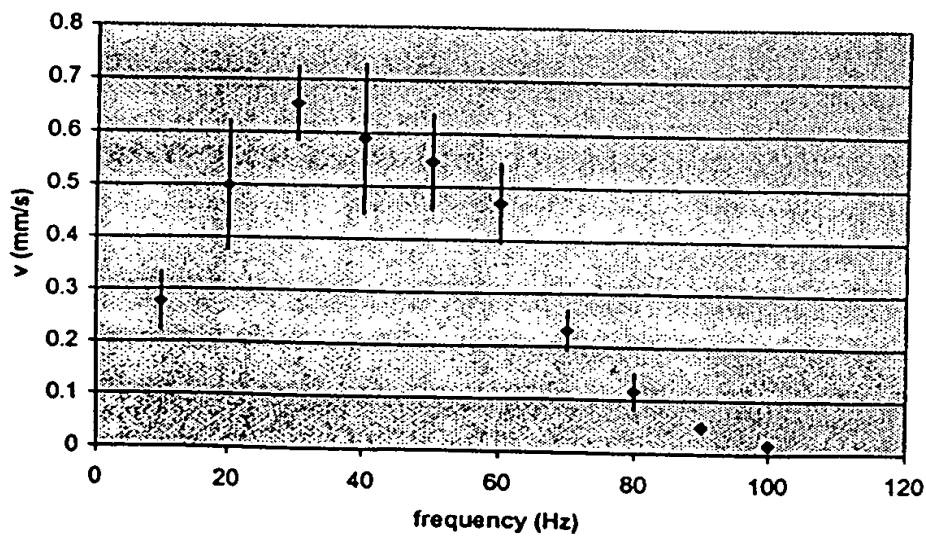


FIG. 73C



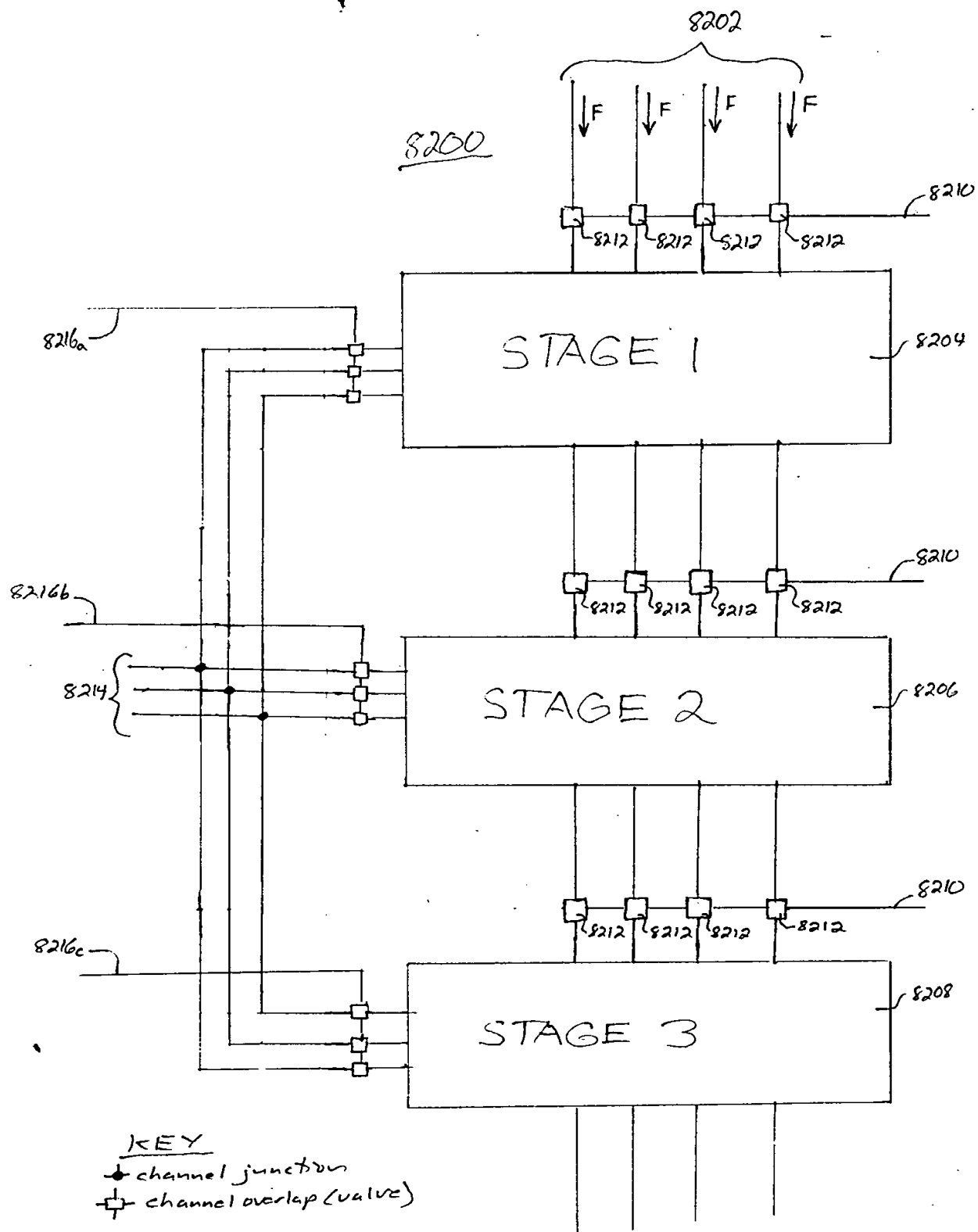


FIG. 77

8300

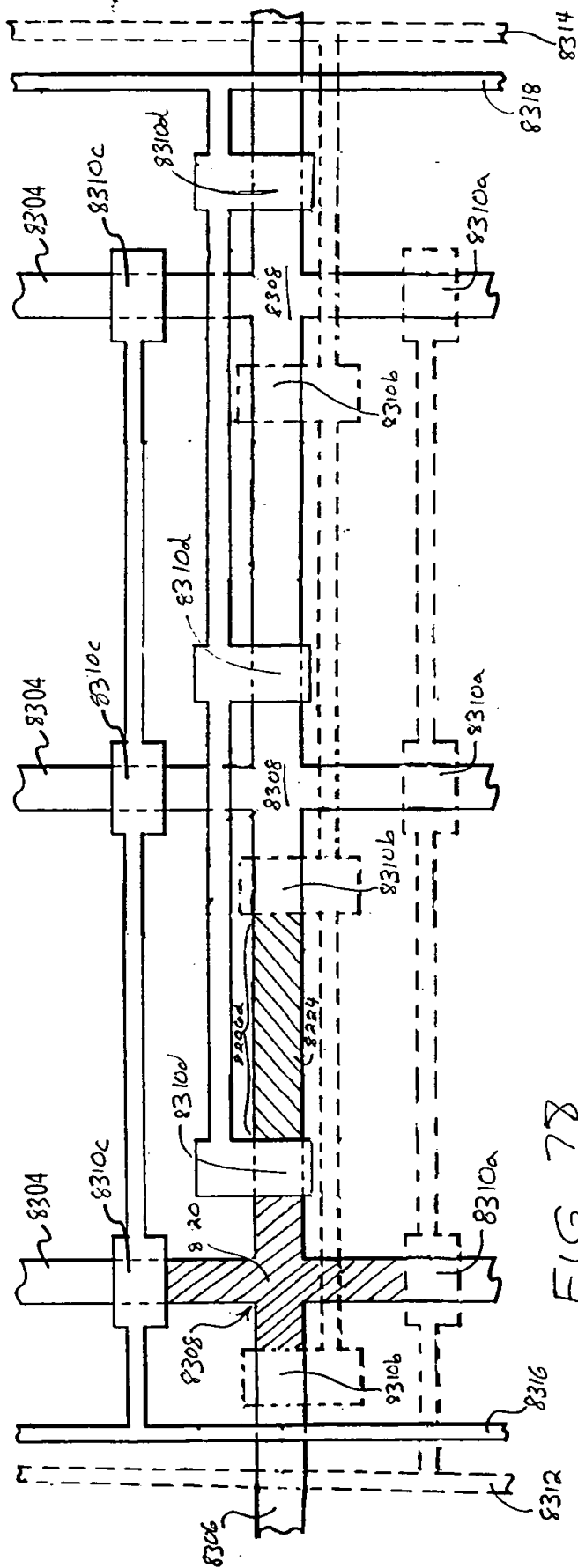


FIG. 78

KEY
 ——— TOP ELASTOMER LAYER
 - - - MIDDLE ELASTOMER LAYER
 - - - - - BOTTOM ELASTOMER LAYER

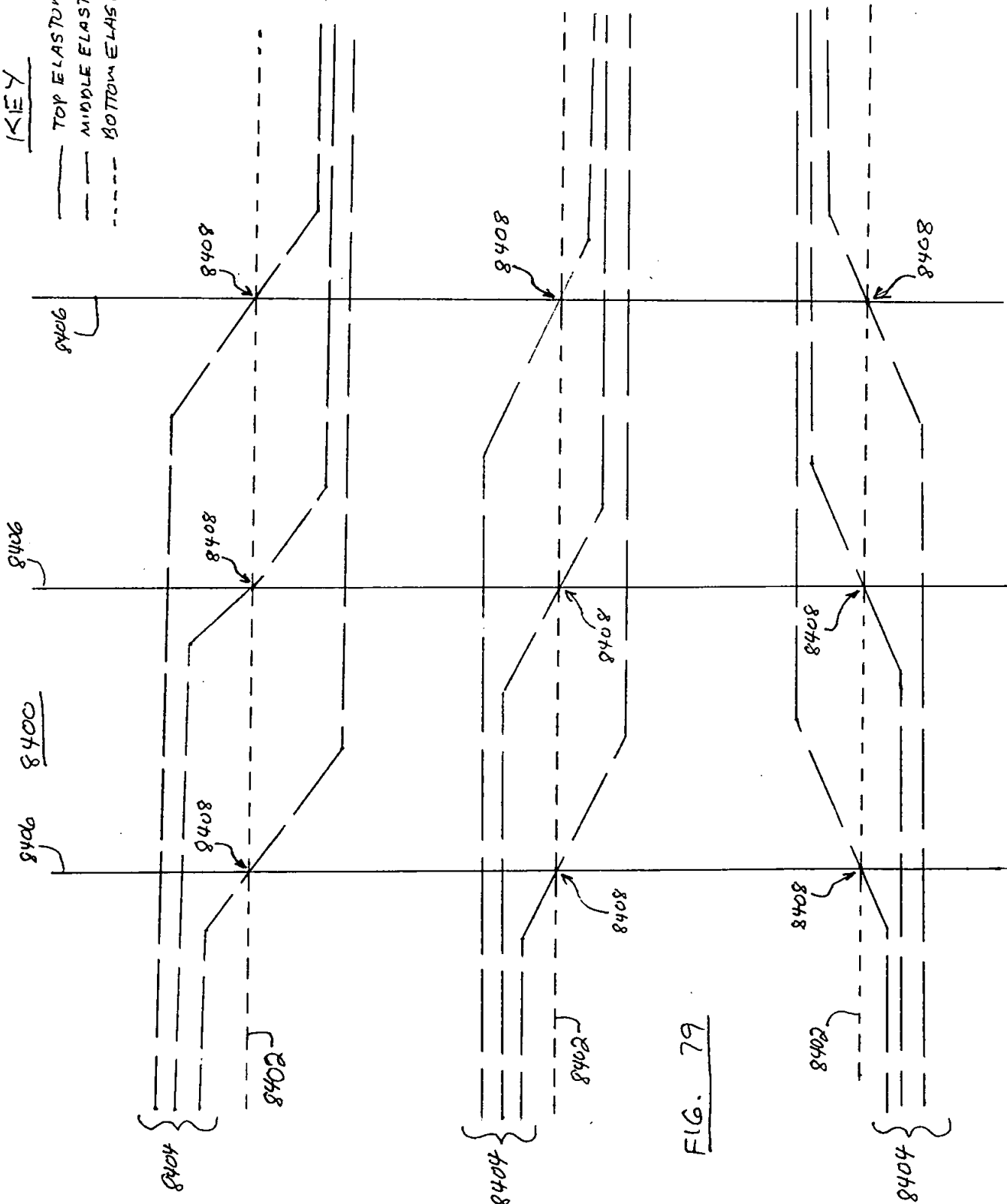


FIG. 79

KEY

- TOP ELASTOMER LAYER
- MIDDLE ELASTOMER LAYER
- BOTTOM ELASTOMER LAYER

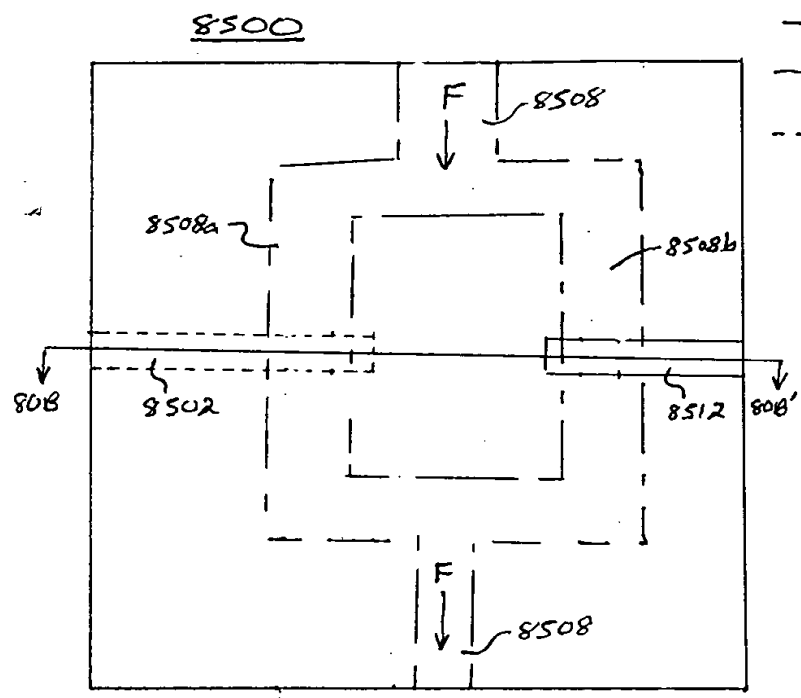


FIG. 80A

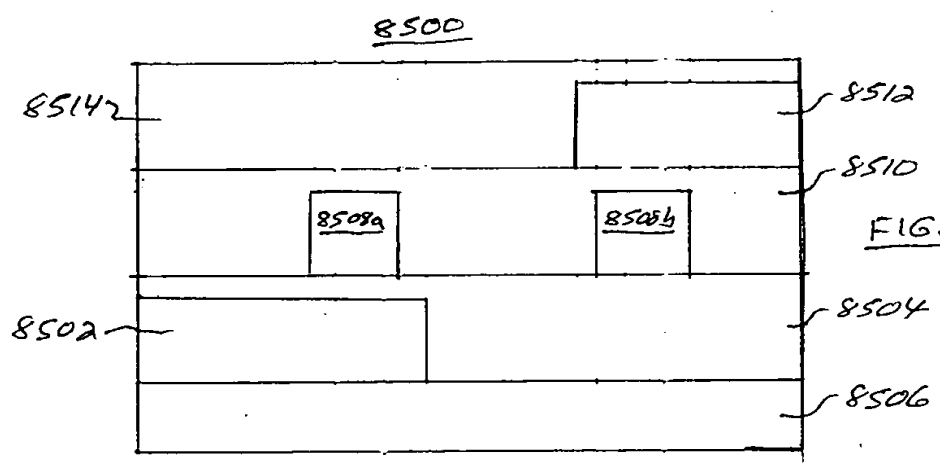


FIG. 80B

8600

FIG. 81

KEY
 --- LOWER ELASTOMER LAYER
 — UPPER ELASTOMER LAYER

